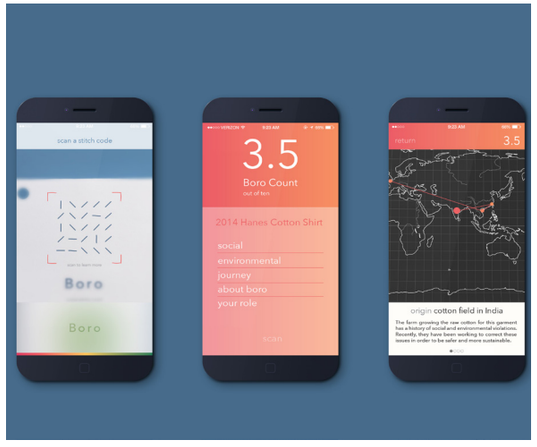
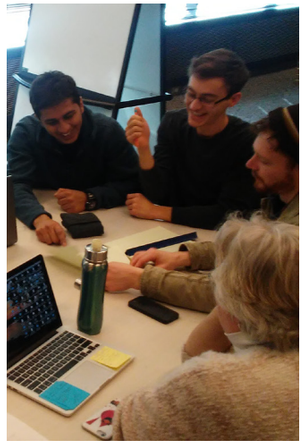
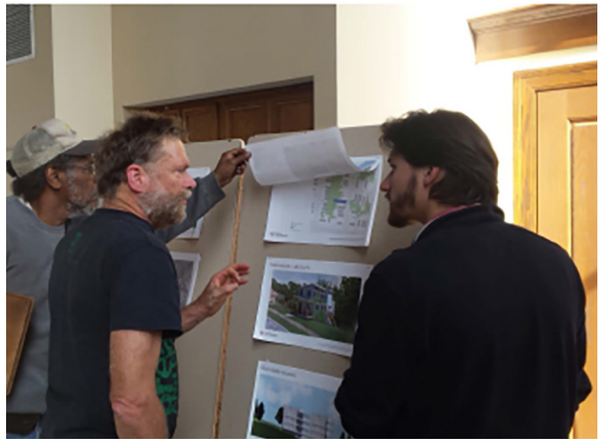
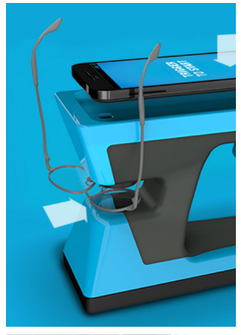


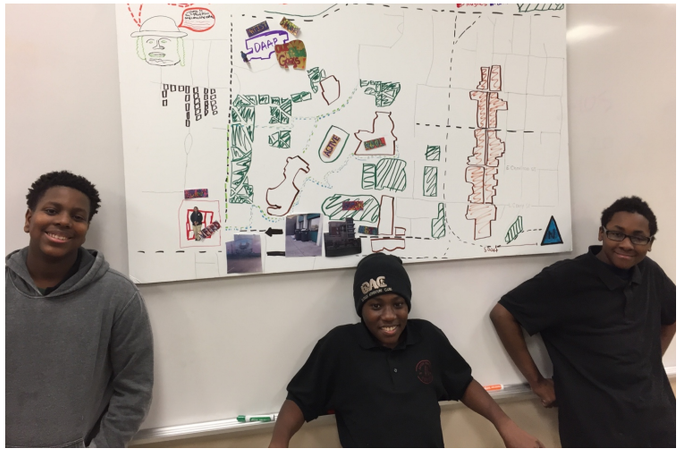




2017

D|A|A|P cares





STUDENT DESIGN COMPETITION

This competition challenged interdisciplinary teams from across the U.S. to design and propose innovative ideas for the redevelopment of the Woodhill Homes, a 478-unit multifamily property in the City of Cleveland, Ohio. Teams were asked to focus on innovation in three broad criteria: Environmental Sustainability, Financial Feasibility and Social Programming. The unique focus of the competition is that winning solutions would demonstrate the interdisciplinary teams' understanding of community, population served, housing affordability, and the development process, including design and finance.

Our solution was developed by first asking how we could improve the lives of tenants, their families and the surrounding community in an innovative manner. In answering this question, we devised an overarching solution identified here as G.R.O.W. It incorporates four strategies:

1) Green living strategies including individual unit and overall site strategies;
2) a Resident partnership program that includes residents as critical stakeholders in a successful community;
3) On-site childcare and early childhood education;
4) improved site walkability and access to transportation.

These strategies are explained below and demonstrate how the design will improve family well-being in Village C and can be expanded to other Woodhill Homes' villages.

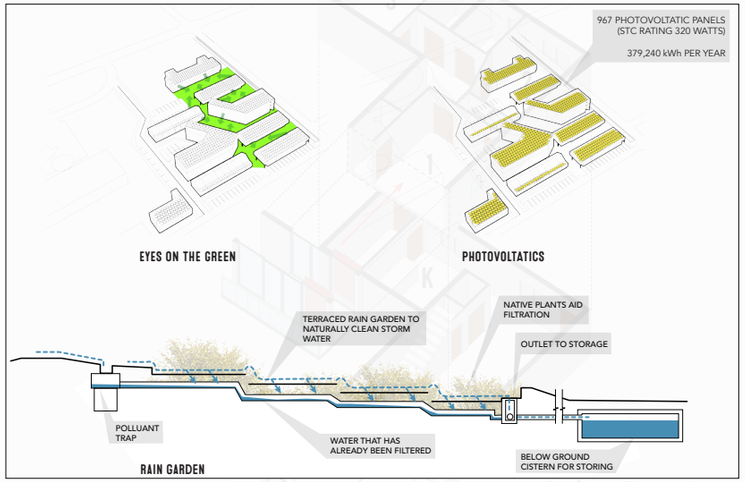
PARTICIPANTS

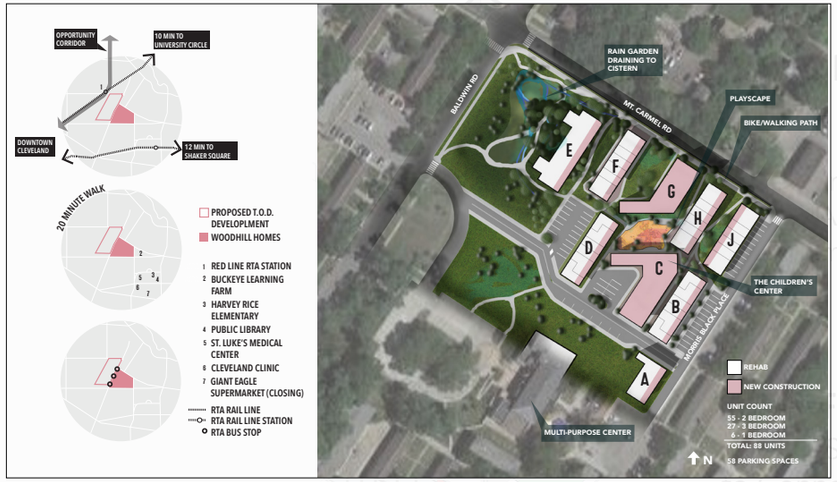
Anthony Bridgewater
Caroline Bozzi
Kyle Ludlow
Michael Morgalis
Michael Eriksen

LOCATION

Cleveland, OH

Rehab of Existing 1 Bedroom and New Construction
Ideal for Multi Generational Households





Principle of Southeast Facade Replacement:
Lanai with sliding glass doors are added to Existing Townhome

Solar Curtains
Keeps sun rays out in the summer and prevents heat loss in the winter

Covered Patio

2017 HUD Innovation in Affordable Housing

3 BEDROOM APARTMENT

Rehab of Existing 1 Bedroom Apartments
Accessible units located on 1st Floor

2 BEDROOM APARTMENT

New Construction
Accessible units located on 1st Floor

DAAP SUSTAINABILITY

This course engages the DAAP community in the implementation of sustainability in a creative, evidence-based, interdisciplinary environment. The purpose of this course is not to propose change. Its purpose is to implement progress. This is the second iteration of this course, which had results like the DAAP Cafe Mug Rack and the DAAPscrap bins provided by students in Spring 2016. In a Friday-Saturday-Sunday charrette, students worked with SOP Professor Virginia Russell and SOD graduate student Braden Trauth to inventory and analyze the topics of landscape, economics, quality of life and culture, water, waste, and energy in the DAAP environment. Guests from various UC offices, including Daniel Hart and Joe Willging from UC Sustainability, contributed information and observations. By Sunday afternoon, each student's particular concerns and passions for sustainability were channeled into a prospectus for a project - an event, a product, a class - any "outcome" that would advance sustainability in DAAP - to work on for the rest of the semester.

Projects Include:

- DAAP Material Garden
- DAAP Lights
- Drywall Dings: An Investigation
- Paper Cuts
- Sustainable Potable Water in DAAP
- The Collaborative Courtyard
- Wasted

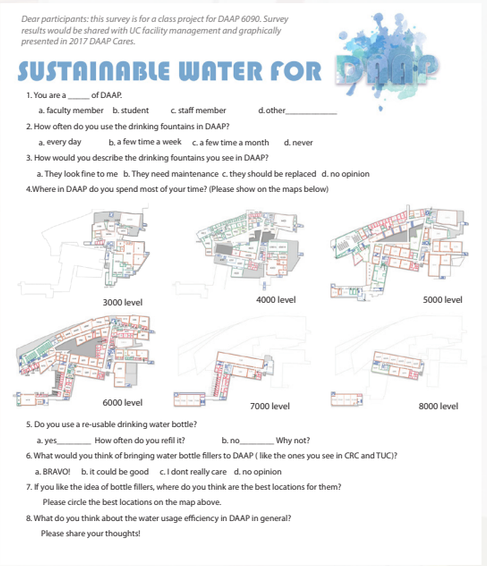
DAAP 6090
Interdisciplinary Topics

PARTICIPANTS

Alan Bossman
Yilin Li
Maxwell Feldmann
Davida Scoggins
Yue Yan
Erica Alexander
Zoe Kusnier
Nick Lecture
John Lund
Virginia Russell
Braden Trauth
Daniel Hart
Joe Willging

LOCATION

Cincinnati, OH



VACANT LOT RESTORATION

Vacant Lots: Occupied (VLO) is a comprehensive community-based workshop series and toolkit designed to help communities and neighborhood organizations restore and enhance vacant lots into socially, culturally and environmentally responsible community assets. In the spirit of DAAPcares, VLO has leveraged a robust network of community stakeholders and stewards to develop and implement a strategic framework for managing vacant lots in Cincinnati. This time-tested, methodical process involves building awareness, exploring the realm of possibilities, and crafting a cohesive vision that is co-authored with the community.

Most recently, VLO worked with Building Value, Keep Cincinnati Beautiful, and Price Hill Will to design and develop 7 adjacent vacant parcels in East Price Hill. The students' solutions informed a final site design that included the following: native pollinator gateway garden for the business district; rain garden that mitigates 20% of the site's stormwater runoff; edible forest; walking loop; percussion park, developed in collaboration with a People's Liberty grant recipient; placeholder for future bus shelter; interpretive signage for each of the features.

The project exemplifies the collective, transformative power of selfless people aligned with a strong vision to bring about meaningful change.

PARTICIPANTS

Ryan Geismar
Caroline Hess
Robert Denham Jr.
Aarika Itodo
Brad Givens
Darek Jerome
Brian Spitzig
Mariela Ortiz Perez
Julian Roman
Roman Fischer
Kubilay Inanli
Madison Schillig
Sam McKinley
Chris Smyth
David Rich
Claire Bryson
Marissa Burroughs

LOCATION

Cincinnati, OH

Vacant Lots OCCUPIED

FINDING COMMON GROUND

Once vacant, Warsaw Commons now provides a variety of social and environmental benefits with features like a rain garden, gateway pollinator garden, walking loop, edible forest, and custom percussion park, developed by People's Liberty grant recipient, Ben Sloan.

Vacant Lots: OCCUPIED is a comprehensive community-based workshop series and toolkit designed to help communities and neighborhood organizations strategically restore and enhance vacant lots into socially, culturally and environmentally responsible community assets. Through colloboration with community members and partners, this project was made possible.

Making a DIFFERENCE

With the help of Building Value, Keep Cincinnati Beautiful, Price Hill Will, students and volunteers worked hard to transform the once blighted lot into a community asset.

Vacant Lots: Occupied

LOCAL DESIGN EDUCATION

Design in Mind is a University of Cincinnati student group dedicated to community service and the spreading of creativity in Cincinnati. The core of Design in Mind is a partnership with Cincinnati Public Schools, where creative-minded UC students volunteer weekly in local elementary art classrooms to assist with daily class activities, encourage creativity, and introduce kids to design-related careers.

We believe Design in Mind is a mutually beneficial program for all CPS teachers, students, and volunteers involved. CPS teachers gain a consistent flow of creative volunteers to help in the classroom, students gain more individual attention from creative adult role models, and volunteers receive meaningful community service hours, and an opportunity to get outside of the 'echo-chamber' of UC to interact with and better understand those they share Cincinnati with.

Design in Mind is planning a 'pilot' of the program this Spring semester. Volunteers and CPS teachers who wish to participate, are asked to attend an orientation. Upon completion of orientation, volunteers will be background checked,and receive CPS volunteer badges, and be prepared to volunteer. Volunteers will be assigned a time slot, corresponding to their CPS teacher's schedule and volunteer in the classroom once a week for the remaining three weeks of UC's semester. Design in Mind is then planning a full launch for the Fall of 2017.

PARTICIPANTS

Wyeth Augustine-Marceil
Kelley Gessner
Vince Wang
Julieta Toiberman
Hunter Elmore
Jacob Schlater
Connor Adams
Declan Jensen
Sarah Rowland

LOCATION

Cincinnati, OH

Design in Mind

LIVE WELL COLLABORATIVE

"Cincinnati Children's Hospital Medical Center asked the Live Well Collaborative to develop a formal, structured home care education program for parents of children with congenital heart disease and their healthcare team. The proposed home care education program should promote a safe transition from hospital to home and be incorporated throughout the entire treatment process. This guide must be general enough for all congenital heart disease types but specific enough that it provides parents with pertinent information at the right time. The Live Well Collaborative team worked with parent and clinician focus groups to gain a better understanding of their needs.

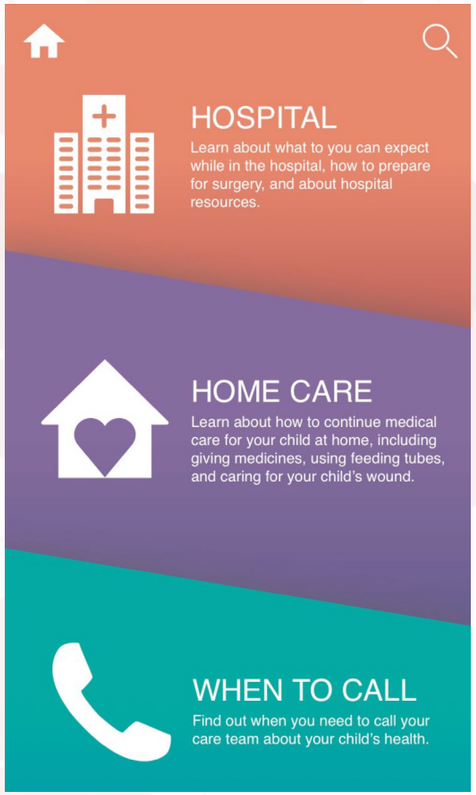
The initial sessions focused on developing working knowledge of parent/clinician communication and congenital heart disease. Next, the team utilized the information they collected to develop print material prototypes. Each addressed design aesthetics, adaptability, personalization, and sustainability challenges in different ways. Once the team selected a final design, they honed the prototype and content in additional focus groups sessions. As a result, the team designed a quick reference guide with pockets and labels for additional information to augment the current education system. This quick reference guide is comprised of iconography, in which key content is represented through iconography to aid families with low literacy, as well as a Recovery Pathway which shows surgical pathways that comfort families by providing immediate post surgery expectations. The print guide encourages family/clinician interaction and absorbs current resources."

PARTICIPANTS

Blake Lane
Hannah Eber
Jamie Maier
Jiani Zu
Jiakang Qi
DRS. Sandra Staveski (PI)
Nicolas Madsen
Samuel Hanke
Barbara Giambara

LOCATION

Cincinnati, OH



The Cardiac Project

POP UP HEALTH CLINIC EQUIPMENT

This project, a portable lensometer, was completed while on co-op with EyeNetra, an MIT Media Lab startup using smartphones to bring eye tests and glasses to underserved areas of the world, particularly rural India.

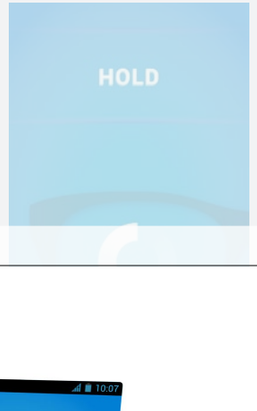
Lensometers read the prescription of existing glasses and are standard equipment needed to complete a comprehensive eye exam. As the current machine can costs tens of thousands of dollars, much of the world is left without proper resources for eye health. As an industrial design co-op with EyeNetra, I worked on a team of engineers to design a human centered, smartphone powered lensometer. The result was a device that was lighter and a fraction of the cost, making it ideal for pop up health clinics. A refined version of the device has now commercially available and being used by optometrists in rural India.

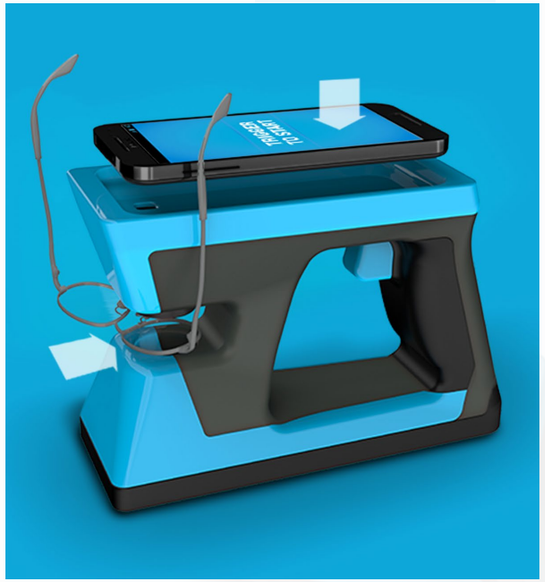
PARTICIPANTS

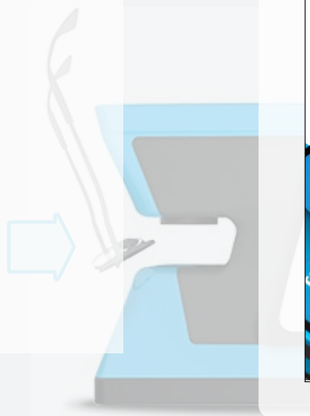
Karyn Georgilis
EyeNetra

LOCATION

Pandharpur,
India







Portable Lensometer

1 *prompts user to begin*

2 *insert the glasses one lens at time*

3 *pull trigger to hold each lens into place*

4 *displays prescriptio*

LOCAL ART INSTALLATIONS

The McMicken Improvement Association has a long history of creating mosaic murals for the CUF community (Clifton Heights, University Heights, Fairview Neighborhood Association). The first project, led by Tony Walsh was the McMicken Community Garden steps in 1996, The design for the mosaics were done by residents, adults and children. Along with volunteers, they created the mosaics and installed them, creating a beautiful entry to the newly formed community garden. In 2004, two mosaic planters were installed at McMicken and Straight Streets. Again the designs were done by residents, inspired by neighborhood architecture, people, pets and landmarks. Suzanne Fisher, a McMicken resident and mosaic artist oversaw that project and has continued to do the other projects as well. Maureen France secured a grant that enabled the neighborhood to design, create and install six additional planters, located throughout the community at gateways. In the past two years, the neighbors, who meet weekly at the community building to work have completed two mosaic walls at the intersection of McMicken and McMillan. They are currently working on mosaics for the 204 steps that go from McMicken to Fairview Park. They are slated for installation this Spring/Summer of 2017.

PARTICIPANTS

Maureen France
Tony Walsh
Suzanne Fisher

LOCATION

Cincinnati, OH

McMicken Mosaics Community Project

CONSUMER SUSTAINABILITY DATA

Boro is a dynamic clothing label that distills sustainability data into digestible information for consumers. Boro received the Novelty Award in the NIKE + MIT Materials Matter Competition for its approach in reducing greenhouse gas emissions and advancing working conditions in the textile industry.

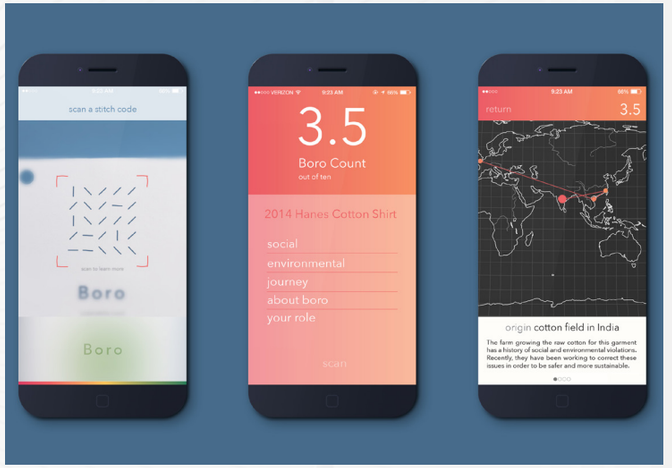
Boro seeks to address these global issues by educating consumers at the point of purchase. Using data from the Sustainable Apparel Coalition, Boro informs consumers about the environmental and social factors that underpin the products for sale. Relative to other labels, Boro is unique in its approach to deliver a dynamic live score for a product based on live data and constantly evolving standards. Moreover, Boro extends past the time of purchase and guides consumers as product stewards through the rest of the product life cycle toward renewable resources.

PARTICIPANTS

Danny Chambers
Shelby Wauligman

LOCATION

Cincinnati, OH



BORO

Boro

BREAKING COMMUNICATION BARRIERS

This study helps the artisan community of Punta Laguna, Mexico re-imagine their process of traditional handcraft design and making today. The paradigm for the production and consumption of textile products in this indigenous Mayan community has shifted dramatically over the last few decades as new opportunities for the sale of cultural products to the tourism market has shifted the artisans' focus away from personal consumption to commodification. In an effort to adapt, artisans have begun designing products to cater to this market, however, they possess little foundational knowledge of product design or development strategy to support these endeavors. Visualization activities with artisans help to break down the barriers of communication between artisan, researcher and group members. During initial interviews, we saw that the language barriers between English speaking researchers and Mayan/Spanish speaking Artisans caused a communication breakdown. Imagery is a universal language, through which we can all communicate.

Using design visualization strategies like photo-elicitation and "draw it" exercises, we began to understand where the artisans' true design motivations lie, and see visual patterns in the results. We can then observe the influence of cultural assimilation on the design of craft products of the Najil Tucha artisan group, and draw non-verbal parallels between the visual responses that would not have been previously uncovered. This research will better shape the way in which we prepare and disseminate future design workshops with the artisans, and in turn better prepare the artisans for success in marketing and selling their products, while preserving the heritage of textile craft making in this community.

PARTICIPANTS

Ashley Kubley
Paulina Aguilera

LOCATION

Punta Laguna,
Mexico

Artisans as Designers

WOMEN'S WELLBEING CO-OP

56% of families in Greater Cincinnati are single mother families. It is estimated that by 2020, the majority of these women won't be able to support their families without assistance. Cincinnati has many great social services available to its residents, but none address the specific needs of this large portion of the population.

How might we create a community-based environment that supports the emotional, physical, and mental wellbeing of single mothers in Cincinnati? UPLIFT is a women's wellbeing co-op for single mothers to find the support they need. It is a one-stop-shop that fills a void currently found in the social services infrastructure of the city. Using the core pillars of connection and support, it embodies wellness programs, community programs, a connection to helpful resources, xand childcare. It aims to meet single mothers where they are, both physically and emotionally, and work with them for their improved wellbeing. This is a space that will empower mothers to be the best they can be for their community, their family, and themselves.

This capstone project is an investigation into how interior design can bring people together and make them more comfortable in a space. It aims to connect an underrepresented group of women that come from a variety of backgrounds. The connection and support they will find at UPLIFT will empower them to improve their lives and the life of their communities.

PARTICIPANTS

Caroline Beaulieu

LOCATION

Cincinnati, OH

UPLIFT

LOCAL ARCHITECTURAL EDUCATION

Design LAB is a project-based K-12 education program created by the Architectural Foundation of Cincinnati and AIA Cincinnati. It is tailored to broaden and deepen student awareness, appreciation, and active participation in our natural and built environments. Professionals team with educators to guide students through a real-world, themed design problem, emphasizing the development of: research, critical thinking, problem solving, verbal and visual communication, creative expression, collaborative team-building, STEM and presentation skills.

DAAP students and faculty engage with this 16-week program as volunteers in local classrooms. They partner with the lead educator in each classroom, acting as a mentor to the students as they complete their projects. This year's project theme is 'BRIDGE'. Have you imagined what bridges designed for today and the future might look like? Students will be challenged to research, design and build models of bridges. They will document their creative process including: concept images, sketches, written data, etc. Projects will be displayed during Design Fair Exhibit Week at the Public Library Main Branch.

DAAP has enjoyed a longtime partnership with Design LAB. Every year sees new and returning student volunteers, as well as a continued DAAP faculty and alumni presence on both the Advisory Board and Action Committee. Participants love the interaction they have with the young students, and feel they often learn just as much as the students do. We look forward to continuing to collaborate with this great organization.

PARTICIPANTS

Hank Hildebrandt
Jonah Pruitt
Caroline Beaulieu

LOCATION

Cincinnati, OH

Design LAB: Learn and Build

AFTER SCHOOL PROGRAM FACILITY

"Striving to empower the children of the Avondale community, through the use of creative play."

The Avondale Creative Playscape is designed to address some of Cincinnati's most under served children. Many of which do not get a chance to experience creativity and have little time for play, which is essential for healthy development and future success. The idea of this facility is to focus on empowering Avondale's youngest members in order to inspire positive change and ignite the child's natural gift to be creative all the while making them feel safe. This space is an innovative, forward thinking childcare facility focused on the overall improvement of the community's children. The facility will act as a direct extension for all after school programs, giving elementary children a space to call their own during and after school. The Avondale Creative Playscape aims to engage children in individual, collaborative, and community creative activities. Creative play results in empowered innovative children ready break the cycle of poverty and take on the world for positive change.

The overall concept of this space is that of a child's fort. A fort is a simple place where children can use their imagination and creativity to do anything, be anybody, or go anywhere they dream. Using this idea as a concept, the space's design engages children in exploration and imagination through all types of creative play.

PARTICIPANTS

Kelly Geig

LOCATION

Cincinnati, OH

Avondale Creative Playscape

LEADING THE GLOBAL MOVEMENT TO HELP THE WORLD SEE

OneSight brings vision care to people across the globe by mobilizing eye care professionals, industry experts, volunteers, and partners. Our shared passion for giving the best care to every patient is what sets us apart.

OneSight expanded its work in Africa with the establishment of the first Sustainable Vision Center in Rwanda. The vision center at Ruhengeri Hospital opened on July 21, 2015. A global team of 45 volunteers from Luxottica worked together to help make this vision center happen. The motivation for all was to positively impact the welfare of the Rwandan population.

The pilot phase in Rwanda will run through November 2015 and will set the foundation for future development in the country, including a national implementation and potential establishment of a local manufacturing center in the region.

OneSight opened several Sustainable Vision Centers in Rwanda in 2016. The third year interior design studio (spring 2016) at the University of Cincinnati collaborated with the OneSight team to develop a brand identity for the Sustainable Vision Centers as well as develop floorplans and retail fixtures/furniture that could be sourced locally.

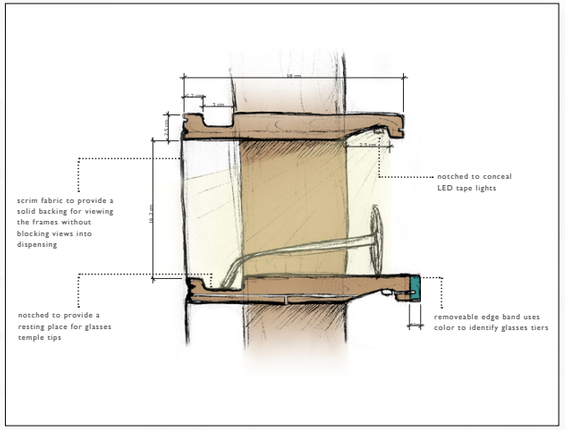
The "Outlook" solution, designed by Amy Zylka, was selected to use as the basis for the OneSight fixture/furniture system. In December, 2016, Professor Ann Black and four students from the interior design studio traveled to Rwanda to further develop the fixture/furniture system and visit clinics.

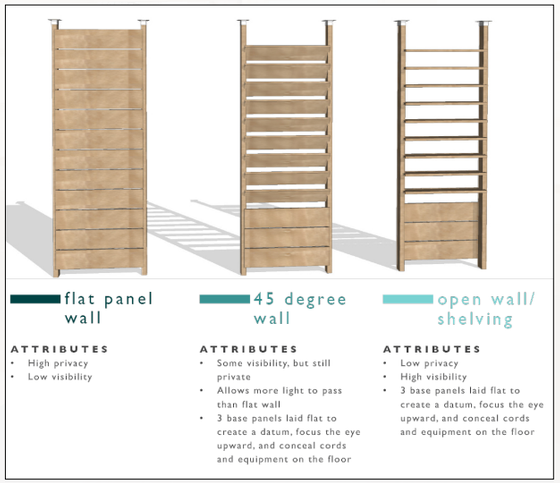
PARTICIPANTS

Ann Black
Staci Alatsis
Kat Cooper
Caleb Taffer
Amy Zylka

LOCATION

Rwanda





OneSight Vision Centers

INTENSIVE AFTERCARE AND TRAINING FACILITY

The growth in the US's incarceration and recidivism rate was historically unprecedented and internationally unique, causing unwanted consequences for society, communities, families, and especially individuals once imprisoned. Each year, 700,000 inmates are released, and within five years of release, about three-quarters (76.6%) of released prisoners are rearrested, more than half of whom were back by the end of the first year. Shut out from legitimate job opportunities, many ex-offenders resort to illegal means of survival that hastens their return to prison: half of the US prison population are there for drug related crimes. In Hamilton County, the arrest rate for sale and manufacturing from 1990 to 2010 decreased by 31%. However, the possession/use arrest rate during this same period increased by 36%, and the majority of these users are young males between the age of 18 and 21.

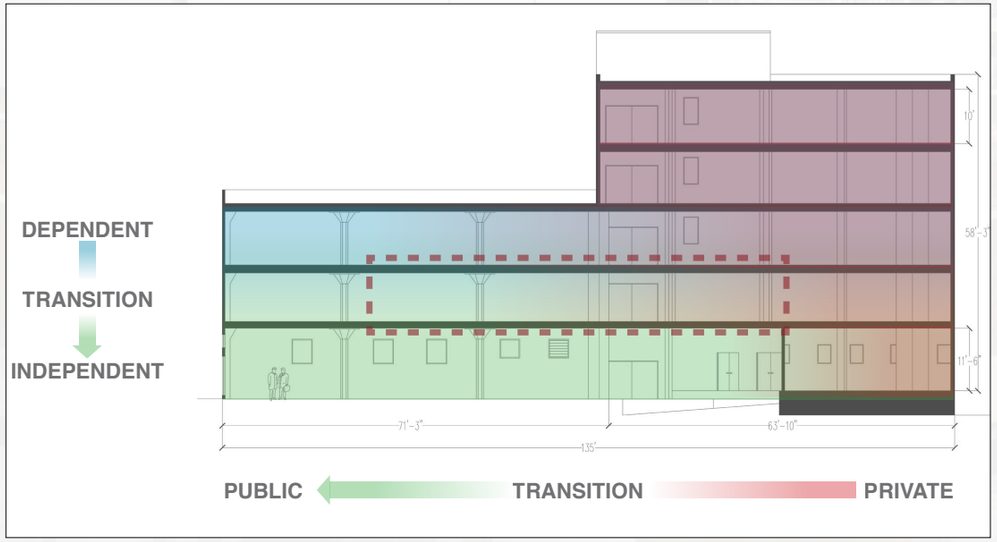
In an effort to prevent recidivism in the community, TRANSITIONS, an Intensive Aftercare and Training Facility located in Oakley, will target this specific group of ex-offenders, create professional opportunities, and re-engage them with society. The TRANSITIONS process determines whether ex-offenders are ready for re-entry into the community by progressively increasing their freedom and responsibility within the facility. By the time they move out, each ex-offender would be prepared with guided training, an internal community, and continuous evaluations on his transferable/functional and knowledge skills, as well as personal traits and attitudes.

PARTICIPANTS

Linh Truong

LOCATION

Cincinnati, OH



TRANSITIONS

URBAN ARTS CENTER DESIGN BUILD

UC MetroLAB pairs students and faculty with local community advocates, developers, non-profits and their stakeholders to discover, ideate, and fabricate work that supports the amelioration of the built environment through the design-build, rapid prototyping process. By partnering with community groups, the studio takes on real world projects and asks students to work collaboratively to assess need and offer design solutions in response, producing full-scale for the community clients.

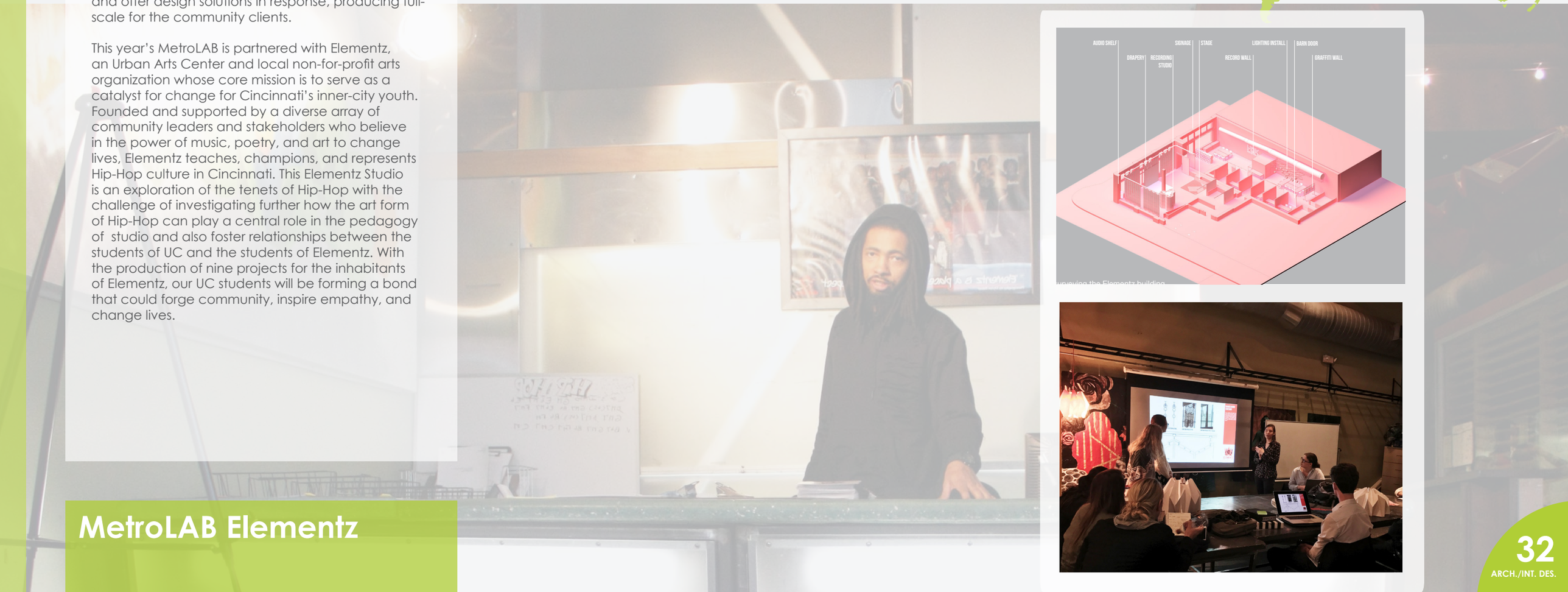
This year's MetroLAB is partnered with Elementz, an Urban Arts Center and local non-for-profit arts organization whose core mission is to serve as a catalyst for change for Cincinnati's inner-city youth. Founded and supported by a diverse array of community leaders and stakeholders who believe in the power of music, poetry, and art to change lives, Elementz teaches, champions, and represents Hip-Hop culture in Cincinnati. This Elementz Studio is an exploration of the tenets of Hip-Hop with the challenge of investigating further how the art form of Hip-Hop can play a central role in the pedagogy of studio and also foster relationships between the students of UC and the students of Elementz. With the production of nine projects for the inhabitants of Elementz, our UC students will be forming a bond that could forge community, inspire empathy, and change lives.

PARTICIPANTS

Stephen Slaughter
4th Year Arch Studio

LOCATION

Cincinnati, OH



surveying the Elementz building

MetroLAB Elementz

FOOD LITERACY AFTER SCHOOL CARE AND TRAINING FACILITY

This project aims to improve access to healthy food and food literacy to people living in low-income areas of Cincinnati. A system of three components consisting of a farm stand in convenience stores, a mobile market, and the Hub provide people education and access to healthy food. The Hub, which is being fully designed, acts as a permanent touch point and a space for educating people about healthy eating. The primary function of the Hub is an afterschool program for the children at the neighboring elementary school. The goal of this program is to bring the children closer to the source of their food and improve their food literacy, by using the buildings unused space for growing through the use of an aeroponics system. Aeroponics is a method of growing that does not require soil, but mists the roots with nutrient rich water. This allows for vertical growth indoors, yielding more fruit in a smaller footprint while using less water than traditional growing methods.

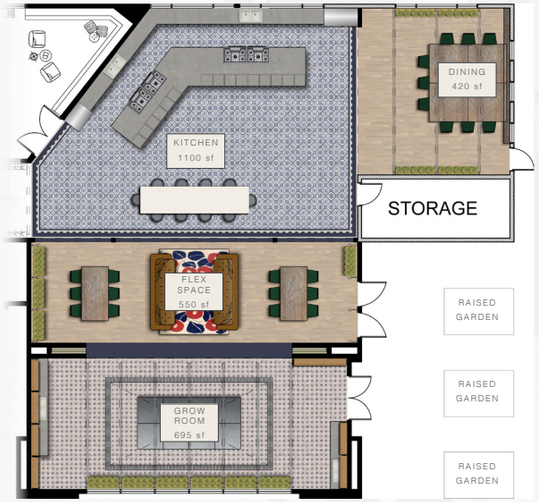
During the afterschool program, the children take part in the growing process. They help tend and harvest the plants, allowing them to gain knowledge of how plants grow and giving them a sense of ownership. Using the plants they have helped grow, the children prepare snacks for themselves, or even a meal for their families. In an effort to reach the older members of the community, once a week an information session is held for the parents. Before the session the children and parents collectively make a healthy meal to share, learning new recipes and techniques in the process. The hope is that these lessons will be integrated into the home and that the children will carry this knowledge with them, as they get older, making healthy eating more of a daily routine.

PARTICIPANTS

Camille Burt

LOCATION

Cincinnati, OH



Improving Access to Food Literacy

CREATION OF HEALTHY MICROENVIRONMENTS

The “designs for the healthy neighborhood” studio was developed by the University of Cincinnati’s School of Architecture in collaboration with Working In Neighborhood (WIN) and the South Cumminsville community. The goal was to mitigate the heat island effect, reduce surface runoff, and improve air quality while creating healthy microenvironments at the most popular destinations in this economically deprived community which have several vacant lots and brownfield sites.

This studio is inspired by the outcome of the Community Health Survey, conducted as a part of the City of Cincinnati’s “Project Cool It” in 2015, in which heat and respiration related health issues were identified as a major concern. Developed in the fall of 2016, this studio worked with the community members at WIN office located in the community to develop design briefs as well as proposals. 16 design proposals were developed and were incorporated in a master plan to provide a vision for the health promotive development. These projects were also reviewed by the researchers from the Cincinnati Children’s Hospital and Medical Center as well as City of Cincinnati’s Health Department.

PARTICIPANTS

Pravin Bhiwapurkar
Arch 4001 Studio

LOCATION

Cincinnati, OH

Designs for the Healthy Neighborhood

A VISUAL FOOD SYSTEM ASSESSMENT MODEL

In last two decades, while the food related issues have been visible with the massive health and economic disparities across the US cities, Urban Planners have started to think about the availability and accessibility of food in the urban context. Research shows just how complex and multi-dimensional food systems are beyond just a simple production to consumption chain and inclusive of the multiple natural and societal drivers present in eco-political power structures at multiple and fluid scales.

The project aimed to develop a dynamic visual model to examine the complex local food system and better communicate an understanding of a holistic food system in the urban environment. We decided to apply a systems` thinking approach to the design of our visual model to allow a more comprehensive approach to the issue and the result is derivative of other such models from practices as diverse as electronics to ecology.

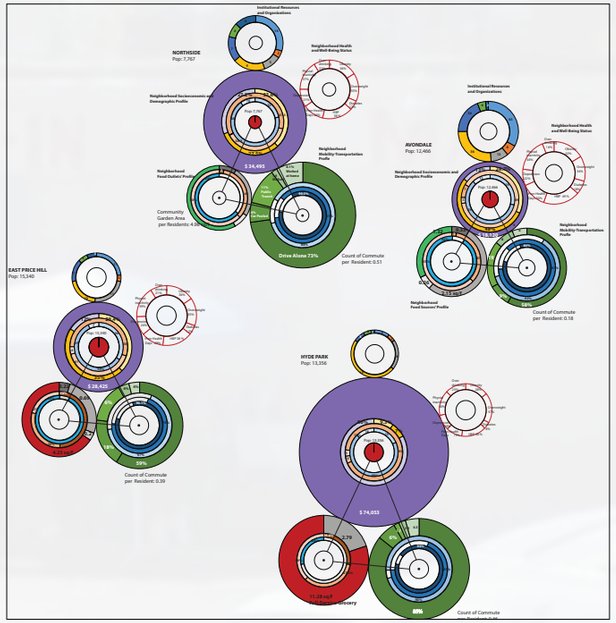
We have prototyped the model to compare dynamic food access issues in four Cincinnati neighborhoods with visual-descriptive outputs for three key aspects of availability, accessibility, and utilization. When socio-economic, health, and social capital measures are included the model produces a quantitative visual relationship which clarifies the relative advantages and disadvantages that each neighborhood possesses. Along with mapping and spatial modeling of food accessibility we hope to provide a suite of tools for neighborhood leaders, city policy makers, and related professionals to understand, advocate, and implement a more efficient and equitable local food system.

PARTICIPANTS

Frank Russell
Alican Yildiz
Greater Cincinnati Regional Food Policy Council

LOCATION

Cincinnati, OH



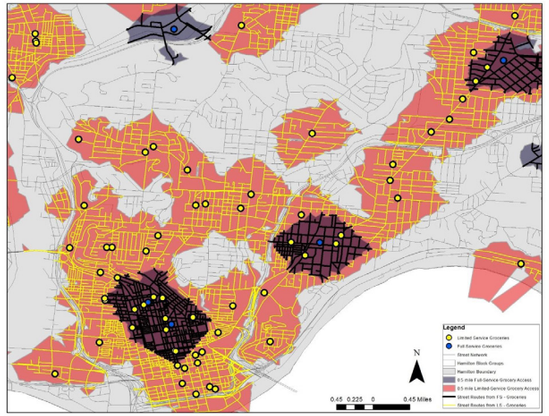
FOOD SYSTEM RESEARCH 2016 – 2017

1. Spatial-Statistical Analyses | How easy it to access food retail outlets?

Using Spatial Network Analysis Tool | Transit and Walkable Accessibility for Food Markets

Methods:

Assigning Road Network Data, Bus Lines and Food Outlet Locations to measure access and service areas of food outlets and distances from block groups to a closest food outlet category.



Outputs:

Spatial maps of the service areas of full-service and limited-service groceries; Summary Statistics of block groups to indicate their closest distances to full-service and limited-service groceries.

University of Cincinnati community DESIGN CENTER

17

Visualizing Food Security for Cincinnati

TEMPORARY RELIGIOUS RETREAT

The tube structure was a design submission for a Sukkah Building Competition within UC. A Sukkah is a temporary structure used as the primary space during the Jewish festival of Sukkot. A sukkah should provide adequate space for the typical daily activities for one week.

The design concept was built by a group of four Master of Community Planning students. The phase two of the competition was to build the massive real-life structure, ideally to house 15 to 16 people. The building of Sukkah was a community building project which brought together students and professors from different departments of the university together with the Cincinnati Hillel center to create the physical structure.

The idea for designing a Sukkah at the University of Cincinnati campus came from the simplicity of the traditional form as well as dynamic interior space. The exterior form of the design is a cuboid made from vertical cardboard tubes. This simple cuboid shape has a more complicated form on the inside. The ceiling and interior spaces are made of different cuts of the tubes to create a flow of different sizes of tubes extruded inside the cuboid.

UC Sukkah structure was successfully built in a time period of 10 days, finished on October 16th, 2016 to celebrate the Jewish holiday of Sukkot.

PARTICIPANTS

Gargi Kadoo
Bahareh Razaee
Sadaf Arsalani
Sadaf Khalilzare

LOCATION

Cincinnati, OH

UC Sukkah

GREEN INFRASTRUCTURE PLAN FOR THE UNIVERSITY OF CINCINNATI

A team composed of five University of Cincinnati students, with varying academic backgrounds, designed a green infrastructure plan to mitigate stormwater management for the University of Cincinnati's East Campus, called ReMEDiation. ReMEDiation alleviates the frequent flooding and decreases overflows from the combined sewer system which makes its way into the Ohio River. With the endorsement of the University of Cincinnati's Planning+Design+Construction department, ReMEDiation addresses stormwater management needs, fosters community connections, promotes education, provides opportunities for health and healing, and supports long-term sustainability.

Through the analysis phase, the team recognized several key issues. One was an abundance of impervious pavement. Secondly, the team identified spaces that could have more functionality built in, through green infrastructure, with minor changes. The team concluded the added value of these stormwater management tactics could add immensely to the character and functionality of East Campus overall. This in-depth analysis used Geographic Information System, the EPA's stormwater calculator, historic context analysis, and a site visit. The proposed plan focuses on a multi-functional green space, called East Commons, and a Healing Garden as two green infrastructure hubs at either end of the campus. A green connection, featuring bioswales and a green facade, link the two areas. ReMEDiation reduces 3,535,761,715 inches of stormwater runoff per year, in addition to numerous social, cultural, health, and biodiversity benefits featured in this report. With ReMEDiation, the University of Cincinnati can strengthen its East Campus and the surrounding community.

PARTICIPANTS

Zoe Kusnier
Karyn Loughrin
Binita Mahato
Alyssa McClearnon
Samantha McLean

LOCATION

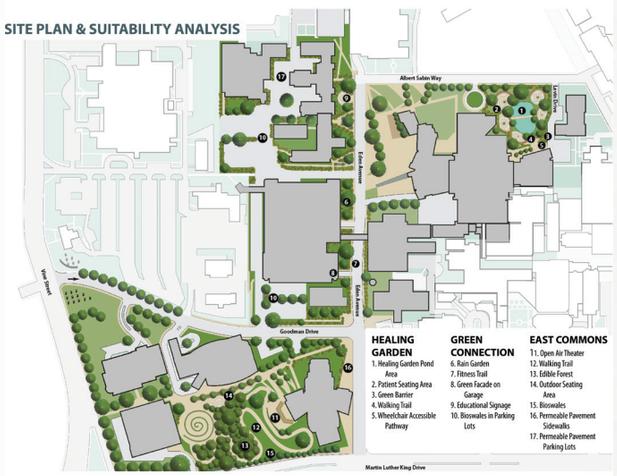
Cincinnati, OH

EAST CAMPUS'S

EDEN AVENUE'S

GREEN CONNECTION

SITE PLAN & SUITABILITY ANALYSIS



ReMEDiation

PLANNING INTERVENTIONS

This studio focused on the West End neighborhood of Cincinnati, Ohio, and was a continuation of the autumn 2015 semester Plan Making Workshop. Students were asked to prepare solutions to specific issues and make recommendations for their implementation. In spite of the fact that many plans have been prepared for the West End since the mid-'60s, the neighborhood to this day exhibits urban decay, low investment, non-existent economic development, crime, and a concentration of low income people. Consistent with urban pattern dynamics that have undergone change over time, the community is not a unified neighborhood, and it is composed of several sub-areas that are defined by their primary land use and character.

Six teams then focused on specific planning and design interventions to address clearly defined needs in the neighborhood. The findings and conclusions from this phase were documented and presented in the studio. Invitees included representatives from West End, key actors involved in community development and funding, and individuals with experience in redevelopment projects. They were then asked to define an issue or project it would like to pursue and for which it would prepare recommendations. Ultimately four proposals were drawn: An Art Infill District in Brighton; An Anchor Group: Developing a Catalyst for Economic Development in the Brighton District; Improving Neighborhood Health through Urban Design; The Development of the West End Revitalization Commission.

PARTICIPANTS

David Edelman
Menelaos Triantafillou
Stephen K. Diko
Danilo Palazzo
Yue Yan

Master of Community Planning Studio

LOCATION

Cincinnati, OH

Reimagining the West End

DRINKING WATER MANAGEMENT IN RURAL THAILAND

A better understanding of how the public perceives their available water supplies can contribute to improvements in water management, drinking water safety and can potentially pressure public suppliers to improve service quality and quantity.

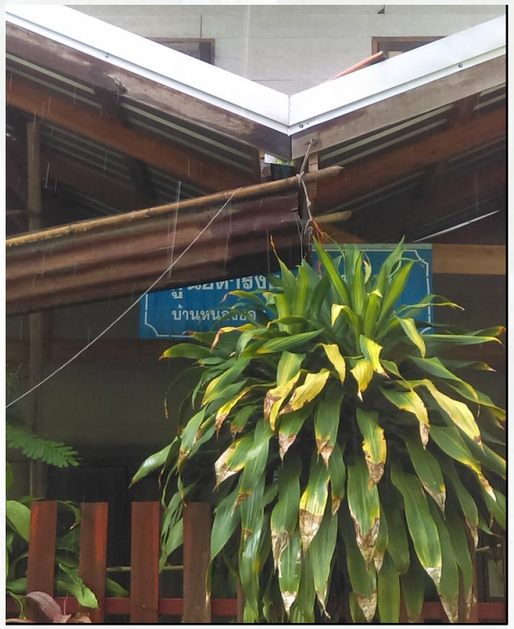
This study uses a questionnaire to understand the public's perceptions of drinking water quality at the village level in rural Thailand. This project discusses some of the main insights in regards to attitudes and behavior of water availability and options, services and quality. A total of 92 households completed the survey, of which 24 were located in Ban Thakhonyang, 37 were located in Ban Nong Khon, and 31 were located in Ban Don Man. This research concluded that households at the village level need better access to clean and secure drinking water, and therefore recommends that a water management plan is needed to ensure that Thailand's most vulnerable population has clean drinking water on a consistent basis. Additionally, this plan will only be effective if routine monitoring and evaluation aspects are incorporated into the plan. Otherwise, this water management plan (specifically designed for the village level) will fail as resources tend to get dropped off in villages and then forgotten about.

PARTICIPANTS

Jalisa Harris

LOCATION

Cincinnati, OH



Public Perceptions of Drinking Water

CREATIVE INQUIRIES TRACK

The Creative Inquiries Track is a program of three after school clubs: PLANit, UC Play_Space, and Club Art. These three clubs allow students to engage creatively and critically in the world around them, introducing them to new ideas and areas of potential higher education study.

At PLANit, students learn about urban planning and community development. This year, students explored the neighborhood around UC and Hughes, creating a physical map and Google map based on their experiences. They are currently working on planning their own city, including land use planning, writing a city charter, and designing a street.

The UC Play_Space utilizes the resources of the UC Game Lab to expand gaming literacy among interested Hughes students. The students come to play diverse games otherwise not normally encountered, and use knowledge gleaned from actual play to discuss how games work and what they mean. A mix of analog and digital games, ranging from Dixit to Journey, let the students become conversant in concepts such as cooperative play and game genres.

In Club Art, students are invited to participate in both traditional Studio Art activities such as printmaking and "maker" activities such as designing an art making robot. Students are guided in exploring personal and communal themes through art making. They also actively participate in thinking through what "making" is and might be--moving from drawing by hand for example to drawing through aroboticdevice.

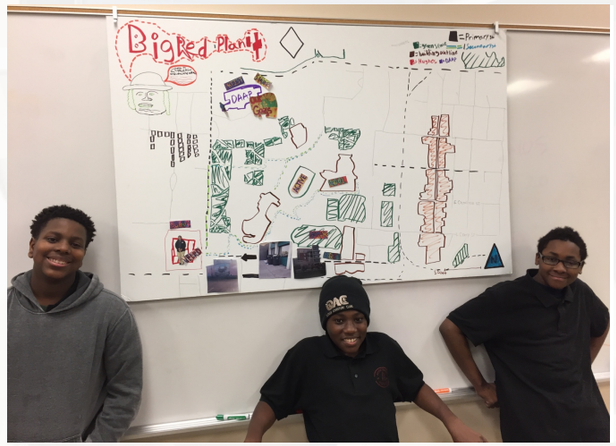
Through participating in these three after school clubs students learn about college and career choices at UC. They also are introduced toDAAPcamps, DAAPworks, and other UC opportunities.

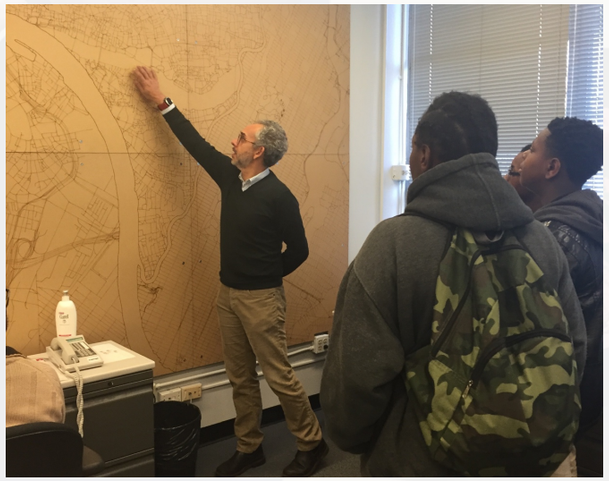
PARTICIPANTS

Devin Hatcher
Kris Holland
Nandita Baxi Sheth
Samantha McLean
Evan Torner

LOCATION

Cincinnati, OH





Hughes After Hours in the Tower

A COMPARATIVE ANALYSIS OF CURRENT REFUGEE PLANNING APPROACHES

PARTICIPANTS

Alyssa McClearnon

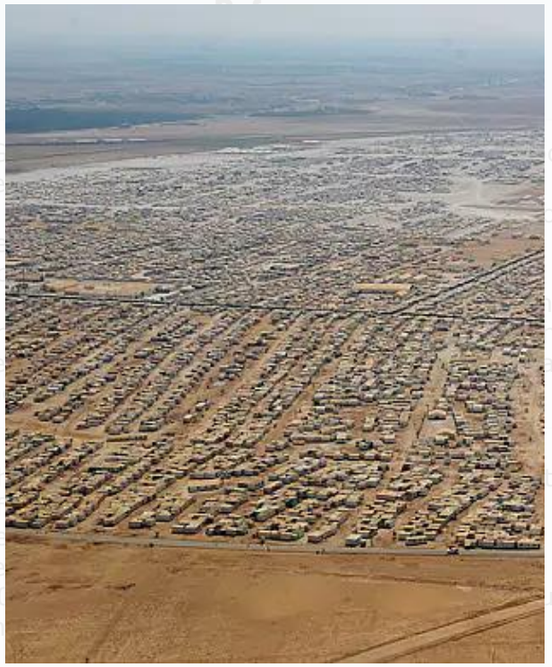
LOCATION

Turkey, Iran,
Lebanon, Jordan,
Ethiopia

In 2015 there were more than 21 million refugees globally; as conflicts continue and globalization expands, it is advantageous for planners to manage strategically population influxes of ill-equipped families. Refugee policy decisions have imperative effects on housing markets, economies, segregation, international relations, and refugees' resilience. Bound by the 1967 Protocol on the Status of Refugees, every member state is obligated to protect refugees.

This project analyzes the varying conditions facing refugees in the five countries with the highest number of displaced individuals. Through a matrix, this analysis evaluates what attributes promote effective refugee plans and which do not. Every conflict scenario is unique, and there are attributes that a refugee plan cannot change (e.g., length of conflict, host country's economy, status of host country's government, cultural clashes between the local population and refugees). However, this project seeks to empower planners to use policy to mitigate current and future refugee situations. This analysis concludes that refugee policies work best for the host country and the refugees when refugees: are able to live outside of camps and in cities; can be employed; are distributed to not overwhelm housing/ infrastructure in a few locations; and there are multiple funding sources.

Country	Number of Refugees	Refugees per 1,000 Citizens	GDP	Host Government Status	Funding Sources	Host Government's Relationship to Refugees	Integrated Resettlement or Temporary Camps
Ethiopia				*Unstable*	UNHCR, International Refugee Council, Save the Children, Jesuit Refugee Service, RefugePoint, Norweigan Refugee Council, International Organization for Migration, World Food Program		ily in integrate in Food er e-cards.
Lebanon	1.1 million	208.91	80.83	*Somewhat Unstable*	UNHCR, Oxfam America, Doctors W/out Borders, World Food Program, Norweigan Refugee Council, Inernational Organization of Migration		g. Refugees settlements. in school, voucher card vailable.
Pakistan	1.6 million	8.33	322.47	*Relatively Stable*	OPEC'Fund', UNHCR, Norweigan Refugee Council, International Refugee Council, International Organization for	After the 2014 school bombing, the government sees refugees as a threat to national security and has started to mistreat Afghans. The Pakistani government has threated to repatriate Afghani refugees and overall has not welcomed	Full, embracing integreation resettlement into society with jobs and schools--until 9/11 and then the 2015 repatriation proclamation. Roughly 2/3 of refugees live in the city and 1/3 camps. Camps are along the border of Afghani The general public Pakistani citizens have a s view of the Afghani people. Refugees mainly



PEACE CORPS MOROCCO

While living in Tameslouht, Morocco through the School of Planning's Master's International Program, I served as a Youth and Sustainable Development volunteer while searching for a thesis problem for graduate school. Tameslouht has a litany of environmental problems, most notably lack of proper waste management, olive oil wastewater runoff, and a heavily pollutant pottery kiln sector that is powered by burning tires.

My thesis project is aimed at mitigating all three by designing a pottery kiln prototype that is powered by causing methane gas through incinerating and decomposing solid waste. I had gathered information and support by the potters while in Tameslouht with surveys and questionnaires. I am still in contact with one potter who answers questions and feedback. Upon my return for my final year of graduate school, I reached out to the engineering school to help me design the kiln. As a result, I have assembled a team of two 5th year mechanical engineers, Robert Caudy and Stephanie Horvath, whom are using this project as their capstone. Also, two environmental engineers, Andrew Francis (3rd year) and Saurabh Desai (Graduate), aided by Dr. Johanna Looye (Planning), Dr. Margaret Kupferle (EnvE), and Adjunct Jesse Ring (Ceramics). Our team has met consistently since last semester to develop our system.

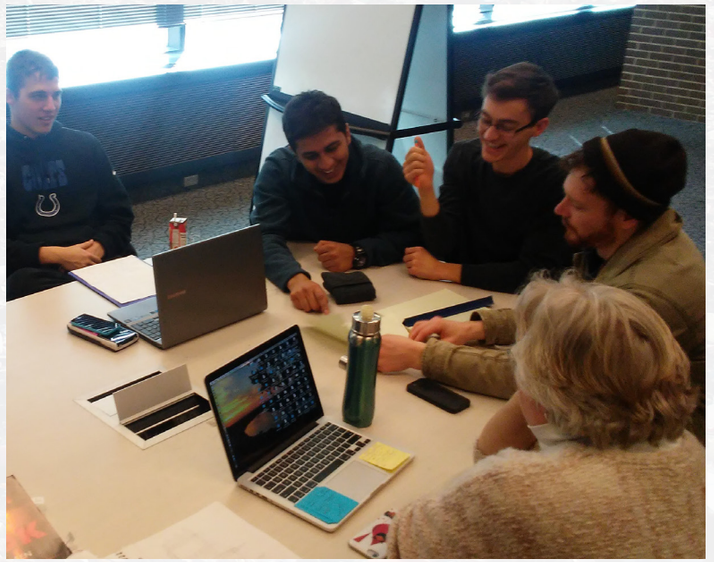
The end goal is that my thesis explaining the implementation process along with the engineer's capstone project will be merged to create an effective proposal that I will proceed with funding and implementation over the next 10+ years.

PARTICIPANTS

Eastman Johnson
Robert Caudy
Stephanie Horvath
Andrew Francis
Saurabh Desai
Dr. Johanna Looye
Dr. Margaret Kupferle
Jesse Ring

LOCATION

Tameslouht,
Morocco



3 Birds with One Kiln

THE POTENTIAL OF GREEN INFRASTRUCTURE

The imminent effects of climate change pose a great threat to the livelihood of social, ecological, and built environments. An important aspect of those environments is cultural heritage. Cultural heritage is not a relic of the past. It has historic and aesthetic value for contemporary and future societies; however, it is currently threatened by the changing climate.

The UNESCO World Heritage Site of the Île de Saint-Louis in Senegal is remarkable for its architecture, town plan, and unique landscape in a river delta. Its location in the middle of the Senegal River, proximity to the Atlantic Ocean, and dense urban fabric make it vulnerable to climate change. The very future of the heritage site is contingent upon building climate change resilience, requiring a preservation approach that extends beyond the restoration of individual buildings.

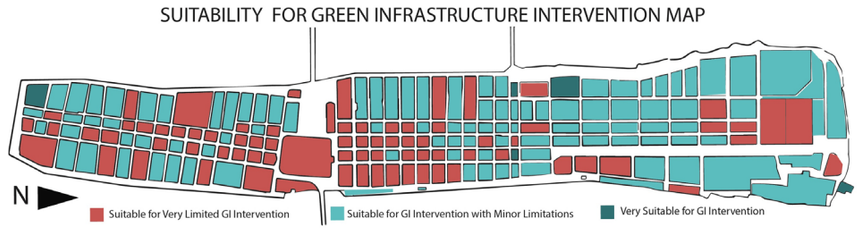
This research used the Île de Saint-Louis as a case study to examine the potentiality of heritage sites to incorporate green infrastructure within their preservation plans as a tool to build climate resilience. Using a vulnerability analysis, suitability analysis, site management plan analysis, and informant interviews, this research proposed appropriate green infrastructure tools and locations on the island for intervention in order to build the UNESCO World Heritage site's climate change resilience.

PARTICIPANTS

Samantha McLean

LOCATION

Saint-Louis,
Senegal



Suitability for Green Infrastructure Map of the Île de Saint-Louis | Source: S. McLean; Basemap - Ecole d'Architecture de Lille 2005

Heritage Preservation in a Changing Climate