

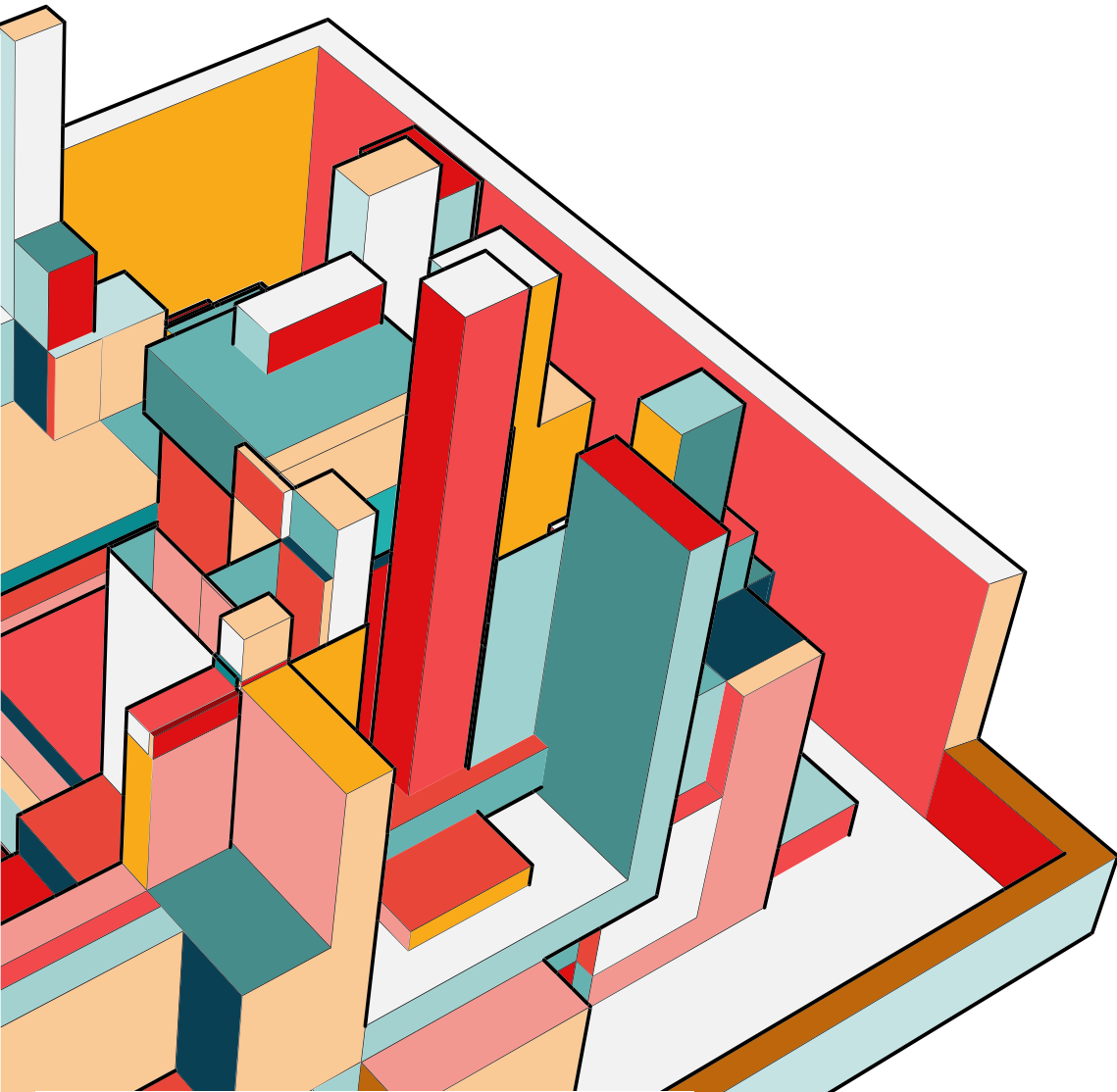
11TH ANNUAL IMAGINEERING COMPETITION KICKOFF

October 2024



Boston University College of Engineering





ABOUT THE COMPETITION

This competition is designed to reinforce the ideals of creating the Societal Engineer by giving students the opportunity to express their creativity and entrepreneurial capabilities on ideas that impact people and society. The competition provides a framework where interested undergraduate and graduate students can, individually or as a team, create and enter an original project in the competition.

PRIZES FOR THE COMPETITION

1st Prize

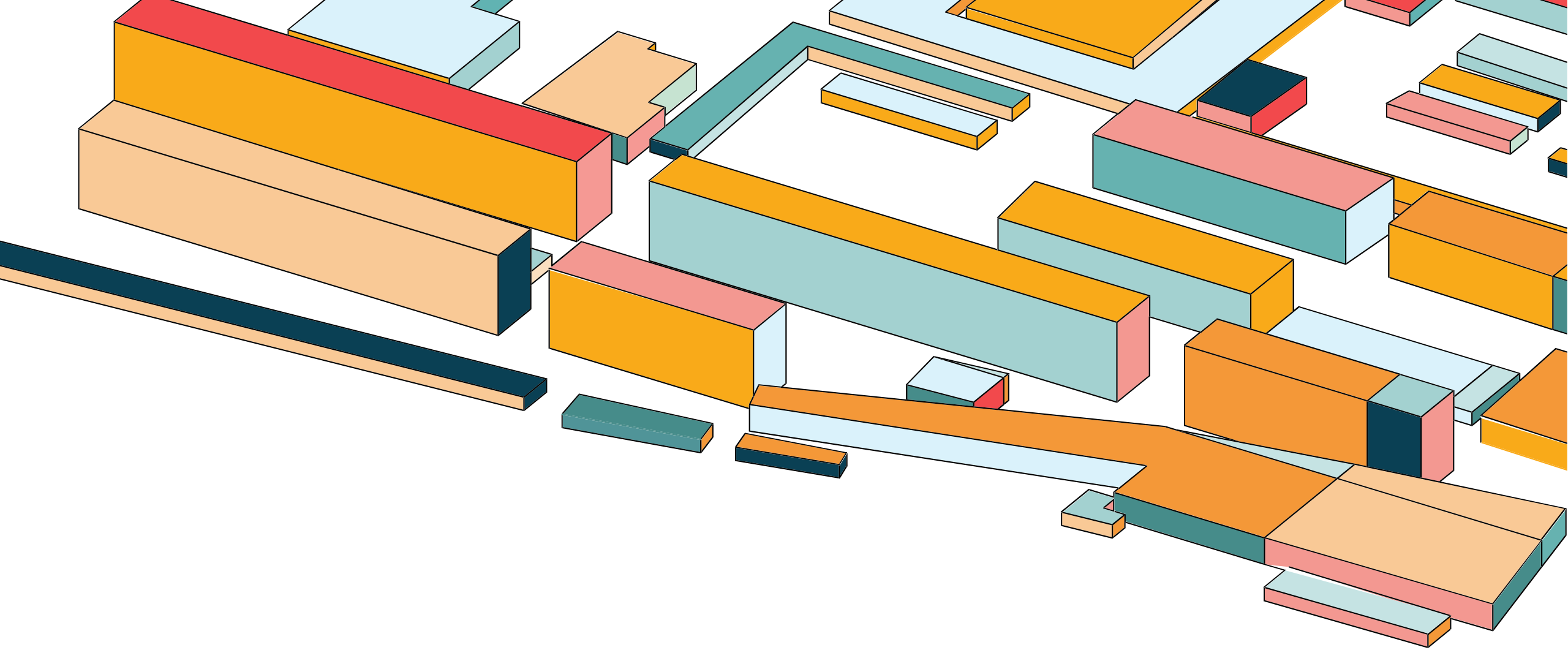
\$3,000

2nd Prize

\$1,500

Best in Class

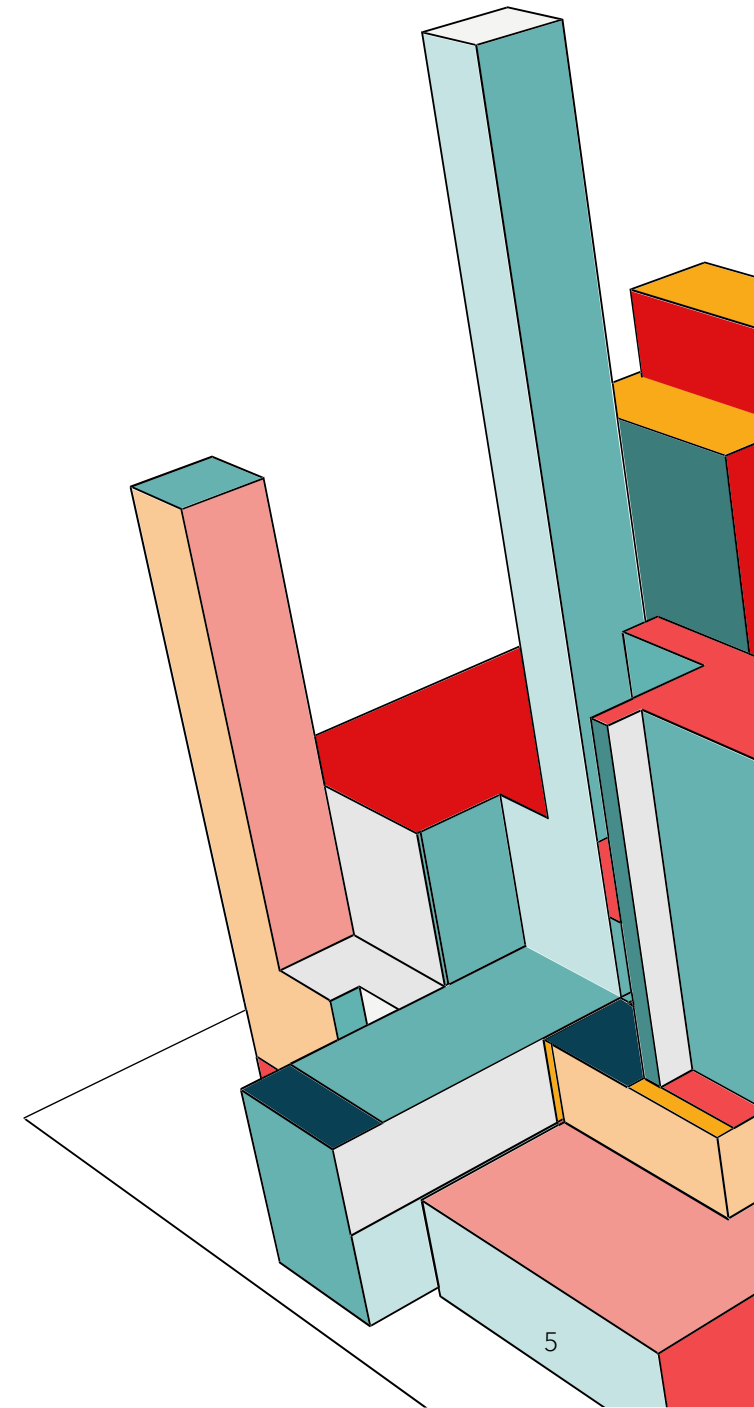
\$250, awarded to best project from each undergraduate class, categorized by team leader's year group



COMPETITION GUIDELINES

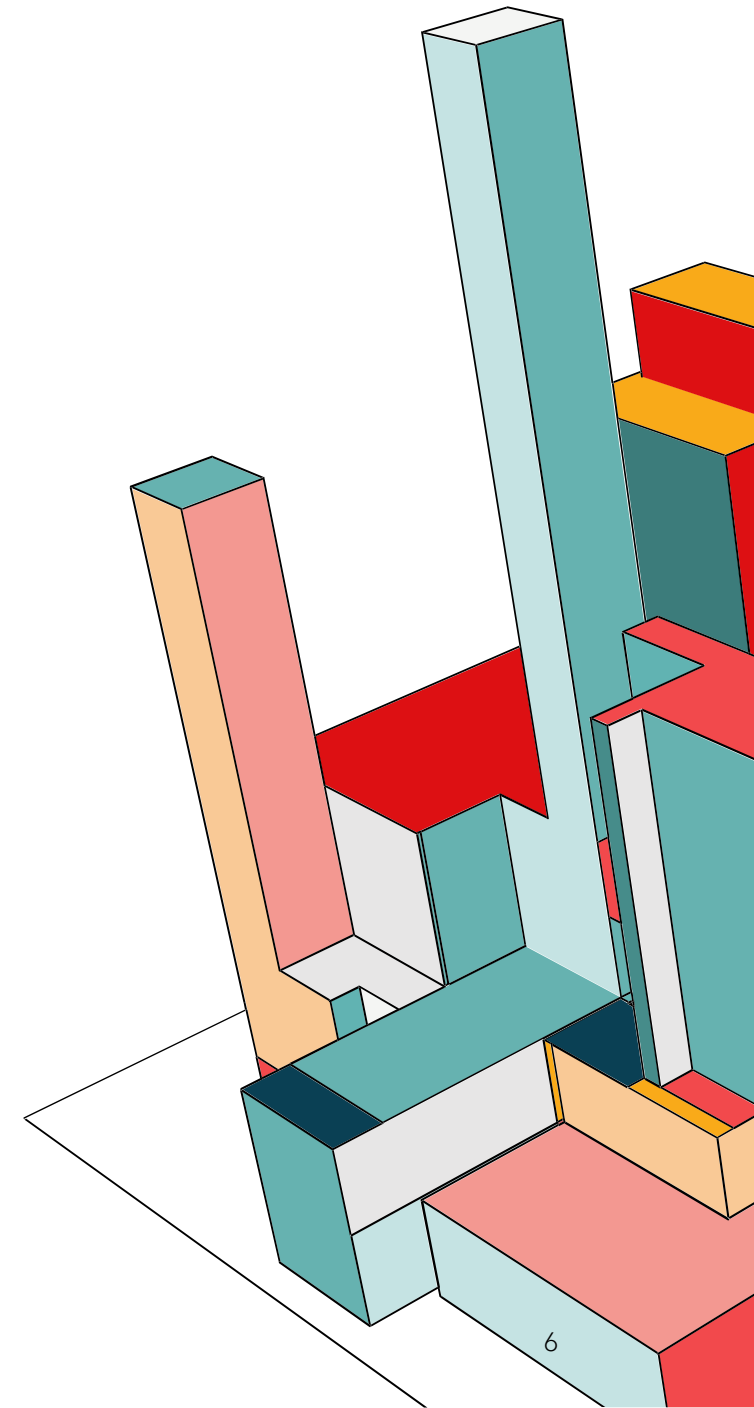
COMPETITION GUIDELINES

- Open to all undergraduate and graduate students, individually or in teams. There needs to be **at least one engineering student on the team**. Leveraging the abilities of students from other BU colleges and schools is appropriate and highly encouraged.
- Projects can be started at any time during the 2024-2025 academic year. Competition applications/entrance forms must be submitted by April 1st.
- Interested participants can email silab@bu.edu with any specific questions.



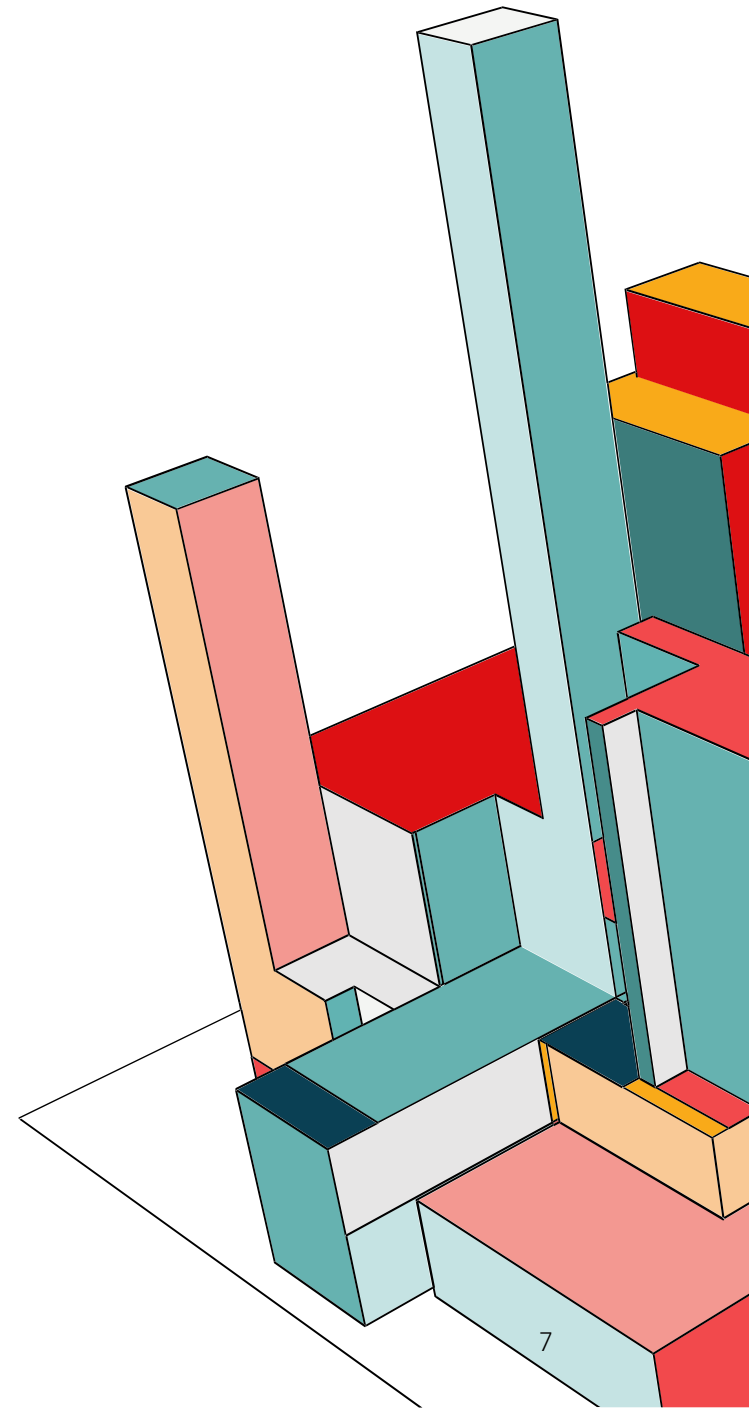
COMPETITION GUIDELINES

- Projects will be judged by the Competition Committee in mid-April.
- Participants will be notified of exact time of their presentation the week prior. Students should generate their own project ideas. All intellectual property will be maintained by the student participant(s). No senior projects can be submitted to the competition. Projects assigned as part of any course or research done in a faculty member's lab are not eligible.



COMPETITION GUIDELINES

- SILab will also maintain a list of names of people who wish to be part of a team but have not formed one, as well as a list of teams looking for additional members. Email silab@bu.edu if you would like to be added to either list. This will allow students the opportunity to work on a team without having to find other interested individuals on their own.
- Projects can address any challenge but are particularly encouraged in areas at the **intersection of global technologies for the developing world, climate change, security/cybersecurity, and pandemic prevention/mitigation.**



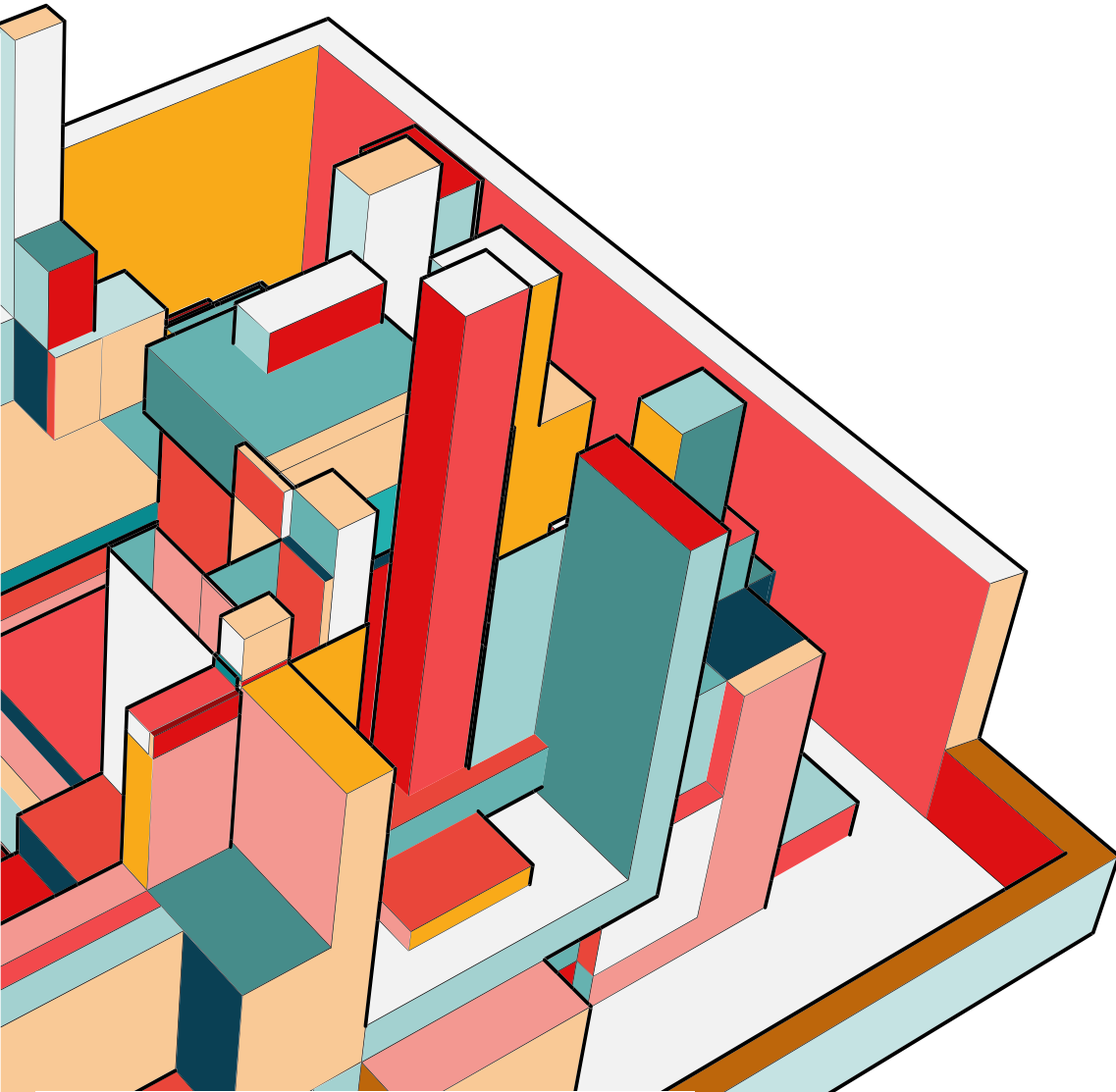


COMPETITION PROJECT REVIEW FORMAT

- A short presentation (15 minutes) is required to showcase your project to the Competition Committee. Non-confidential presentations may be open to the general public or livestreamed.
- A short question and answer period by the Competition Committee will follow your presentation.

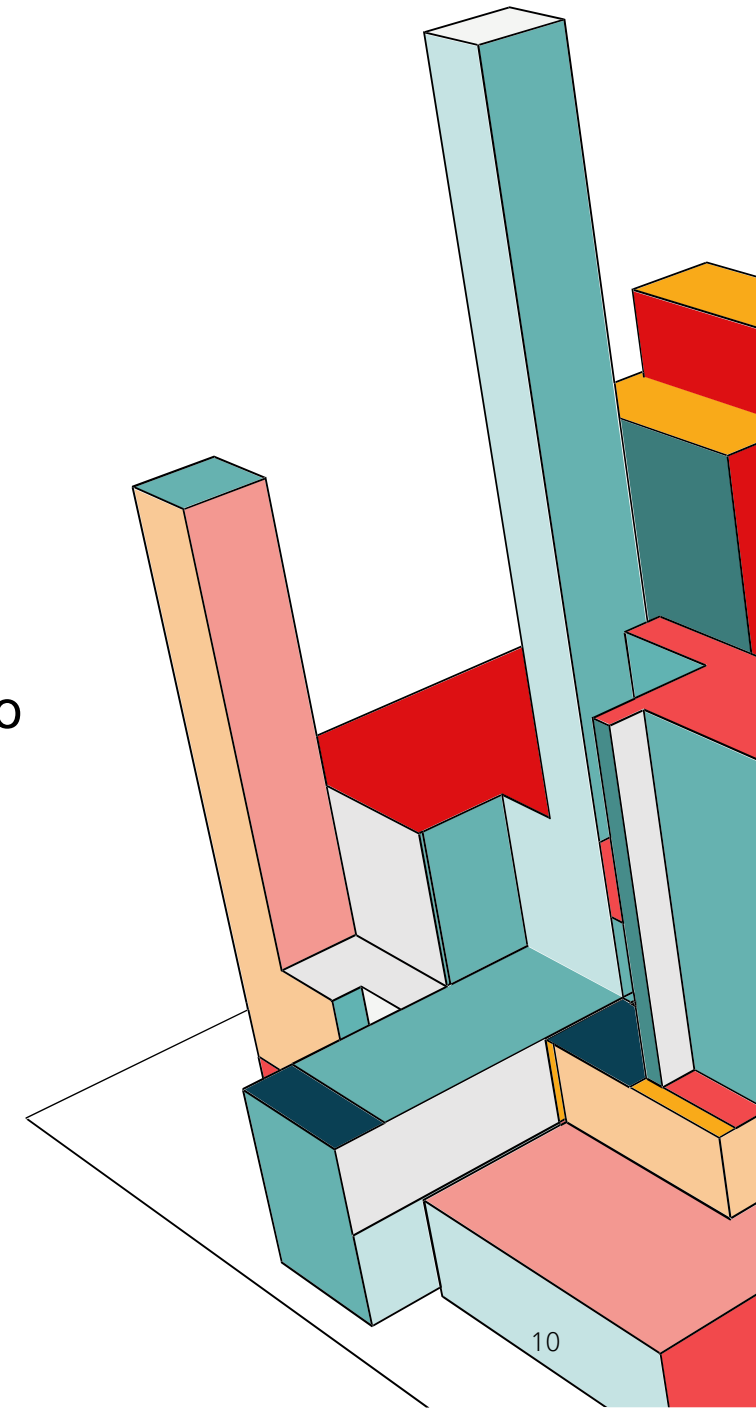
COMPETITION PROJECT REVIEW KEY ELEMENTS

- Originality, ingenuity, and creativity of project
- Challenge addressed
- Quality of design and purpose of prototype
- Build/assembly process
- Functionality of project
- Description of potential societal and market impact

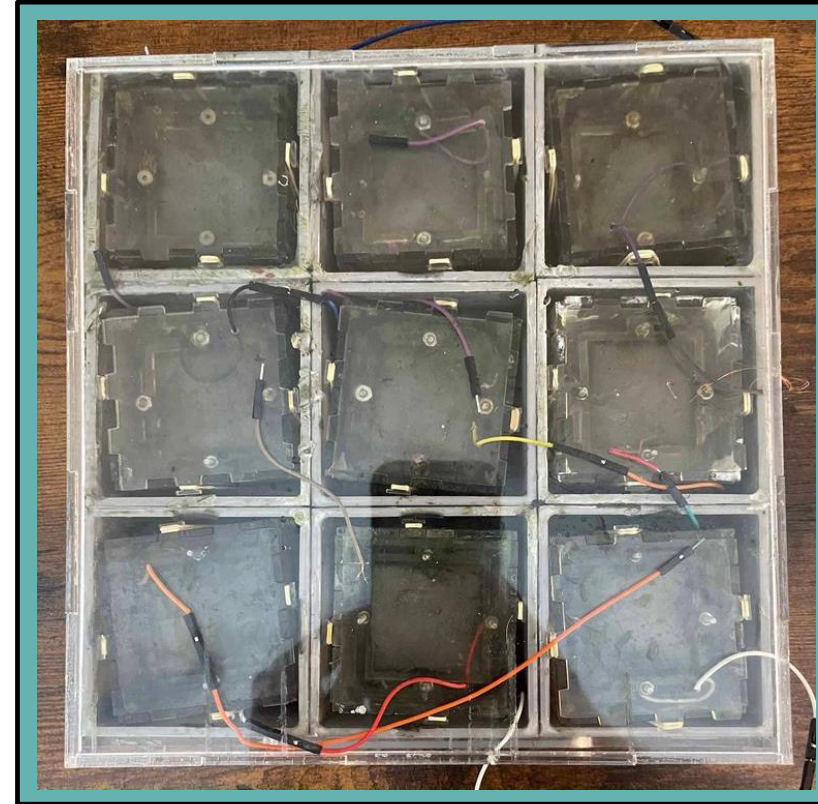


COMPETITION RESOURCES

- SIlab is available for your team to use. The SIlab Manager and Advisors can answer questions and assist your team with equipment needs.
- Materials and parts that are not normally stocked in SIlab can be requested by emailing silab@bu.edu. Each team can request up to \$50 in materials.
- BTEC and EPIC are also potential resources. For additional questions email btec@bu.edu or epicinfo@bu.edu.
- Should the need arise, we may be able to appoint a faculty member as an advisor.

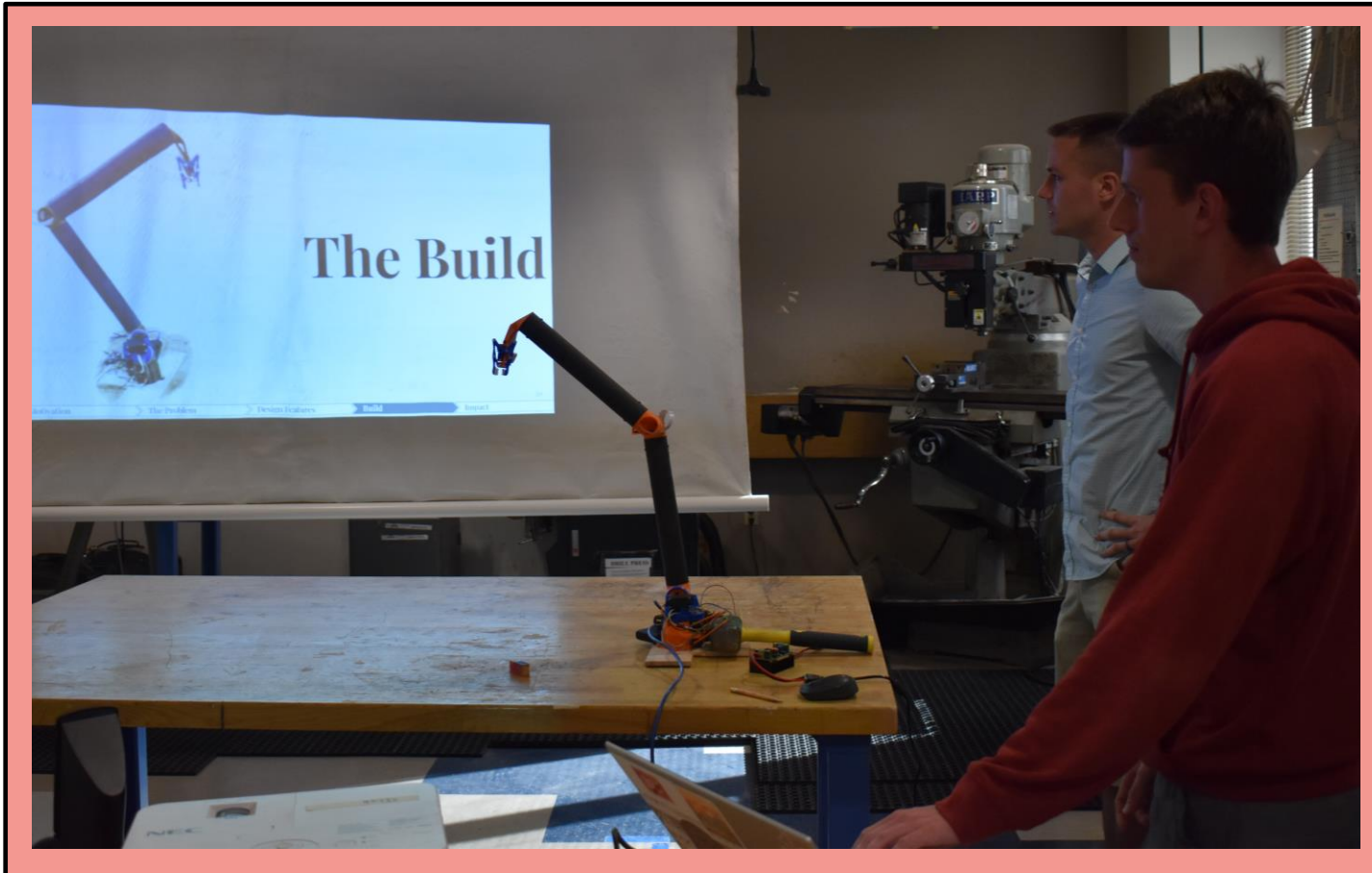


PAST WINNING PROJECTS

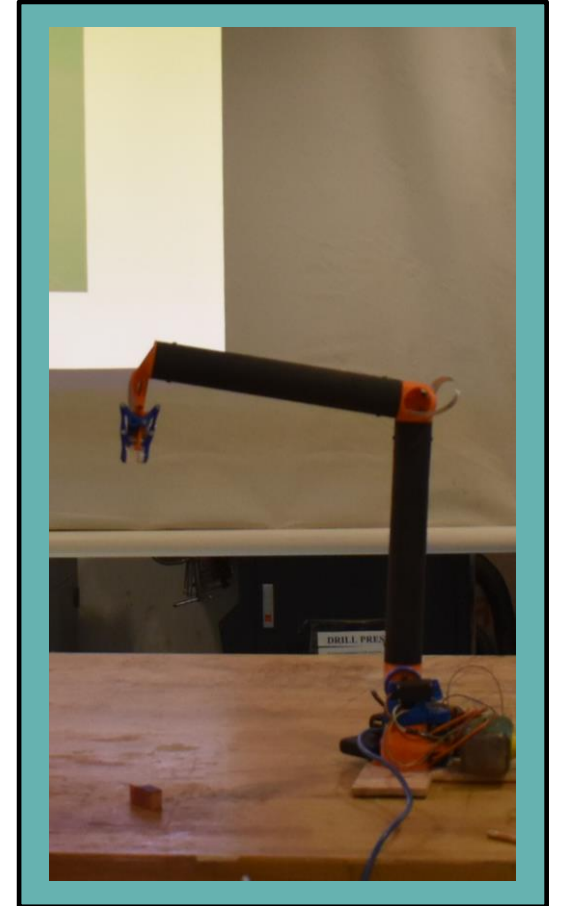


**2024
Competition
Winners:
Abigail Hassan,
Rejwan Himel,
Jonathan Miller,
Mohammed
Warde, and
Gustav Yang
for their algae
fuel cell,
Green Machine**

PAST WINNING PROJECTS



**2023
Competition
Winners:
Noah Jones
and
Tiaan Spies
for their
Creative Arm
for Robotic
Learning
(CARL)**

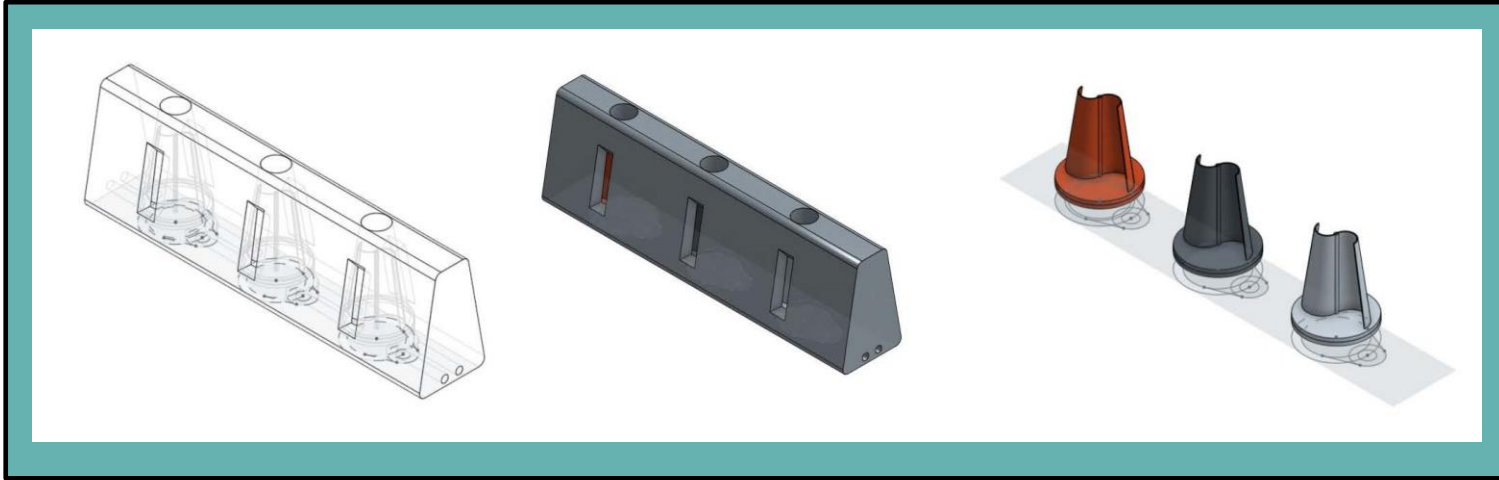


PAST WINNING PROJECTS

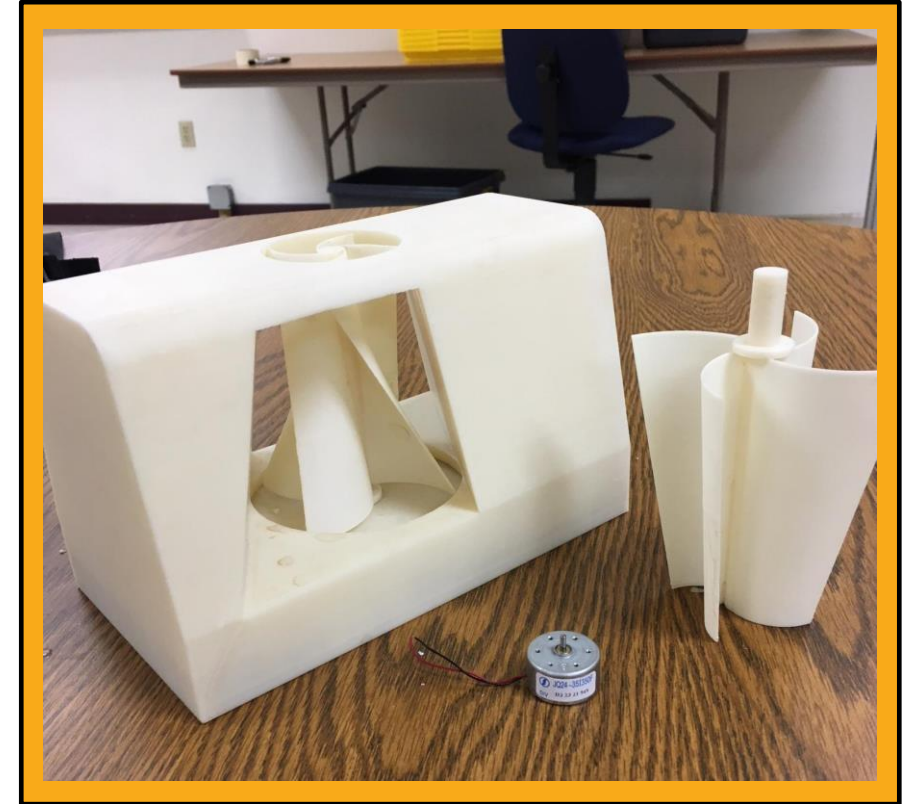
**2019 Competition Winner:
Justin Fiaschetti for
Blue Life, a portable, hand-
crank-powered water
purifier that uses UVc LED
lights to purify water**



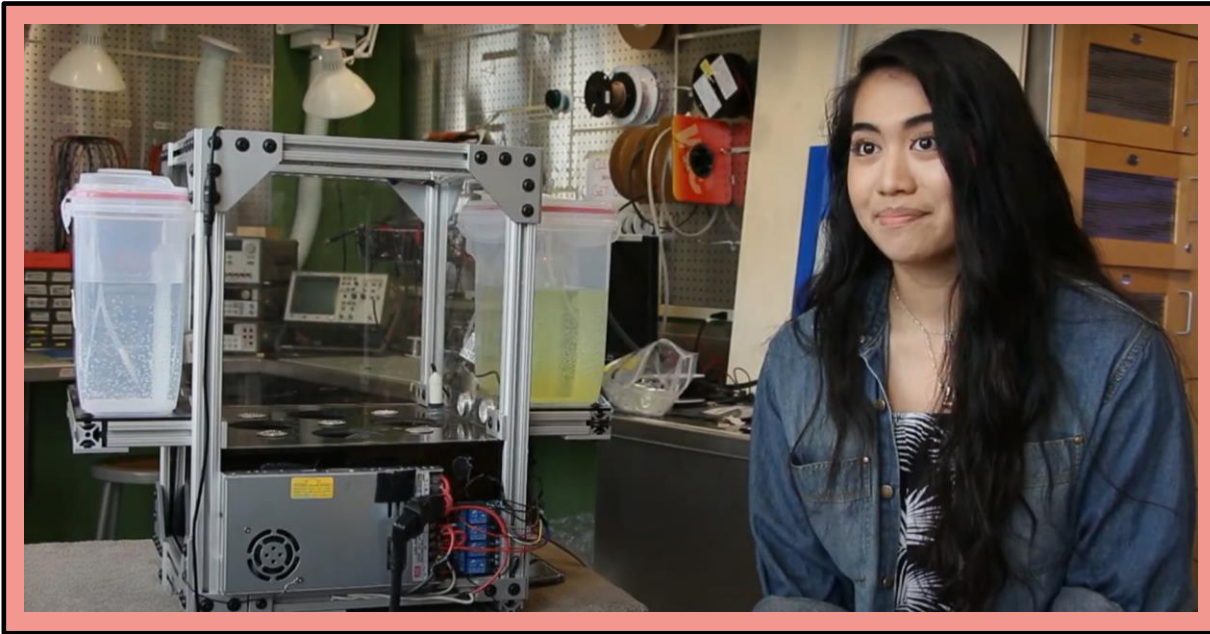
PAST WINNING PROJECTS



2018 Competition Winners: Brendon Bourgea, Jon Hale and David van Daalen Wetters for their vertical-axis wind turbine



PAST WINNING PROJECTS



2017 Competition Winner: Summer Mundon for Marsh, a smartphone app controlled autonomous hydroponics system that can be used to grow a variety of plants.

PAST WINNING PROJECTS



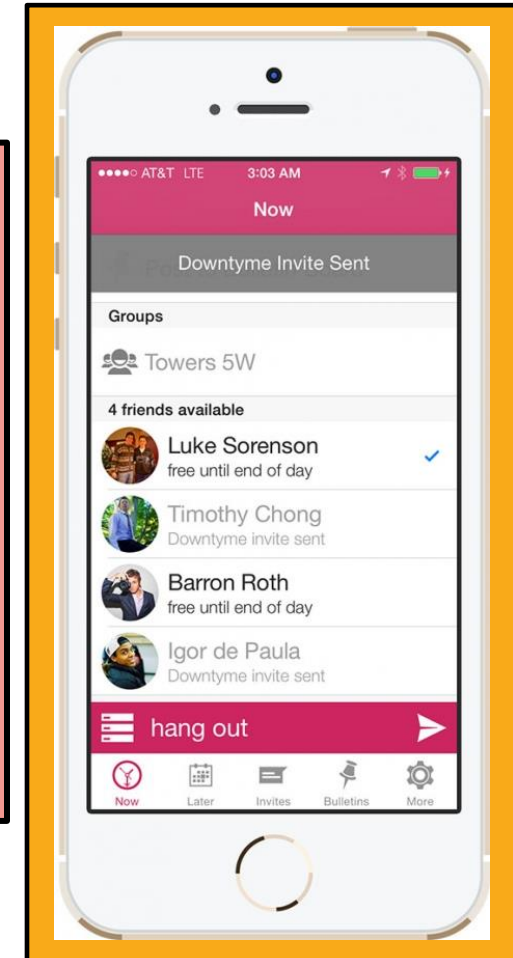
**2015 Competition
Winners:
Mehmet Akbulut and
Evan Lowell for
Cithara, their guitar
playing robot**



PAST WINNING PROJECTS



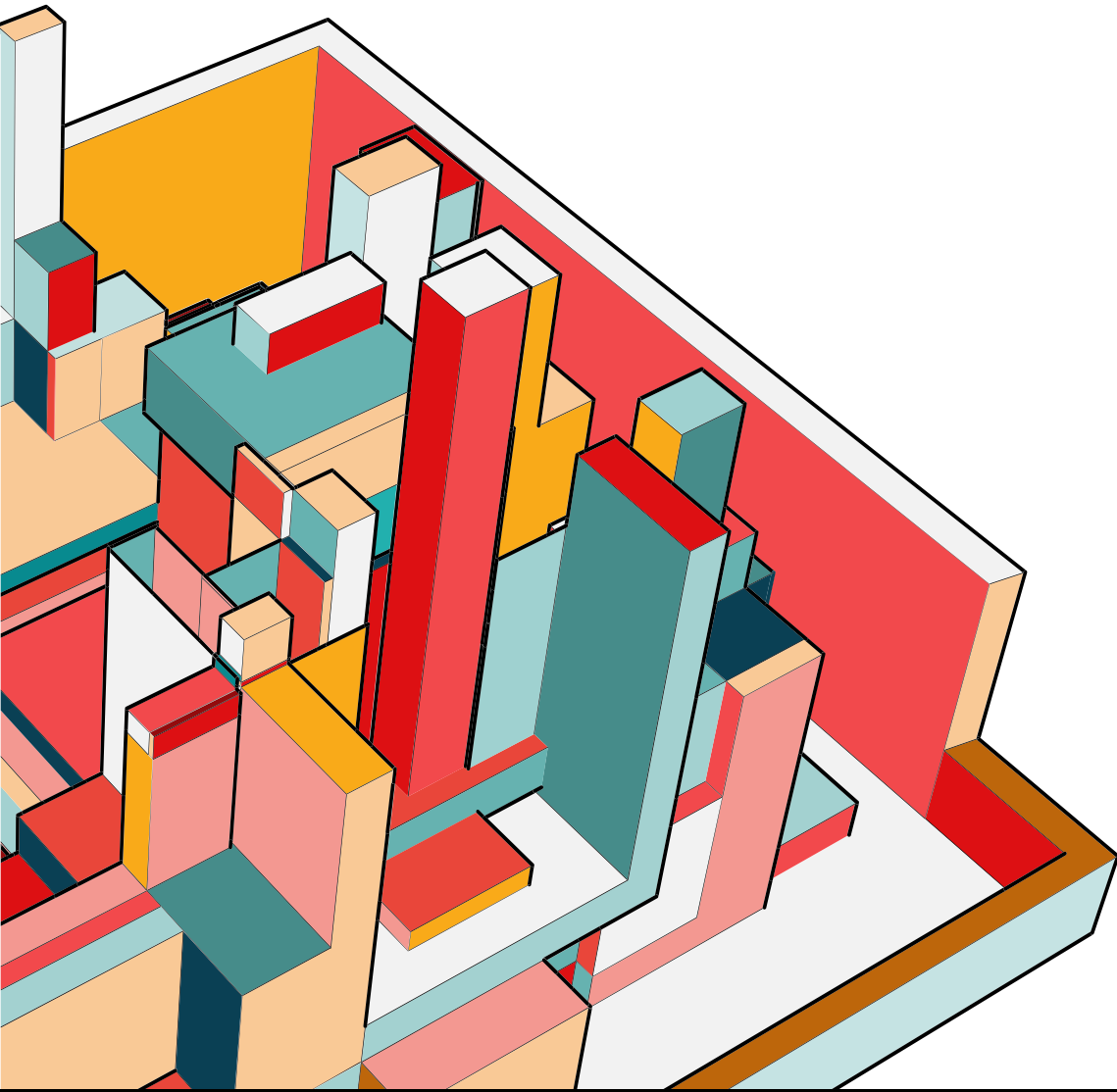
**2014 Competition Winners:
Timothy Chong, Luke
Sorenson, John Moore,
Nick Sorenson, and Barron
Roth for Downtyme, an app
that makes it easier for
college students and other
overscheduled people to get
together offline**



PAST WINNING PROJECTS



**2012 Competition Winner:
David Harris for a sounding rocket
that could be used to take
measurements and perform
scientific experiments in
suborbital flight**



HAVE YOUR TEAM ALREADY?

Sign up now
with this google
form:

[https://forms.gle/
W1U3iQ8B7Y6
jqdjo8](https://forms.gle/W1U3iQ8B7Y6jqdjo8)



THANK YOU!

If you have any
questions, please ask
now or email
silab@bu.edu

GOOD LUCK IN YOUR IMAGINEERING!

