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Sponsorship Brochure

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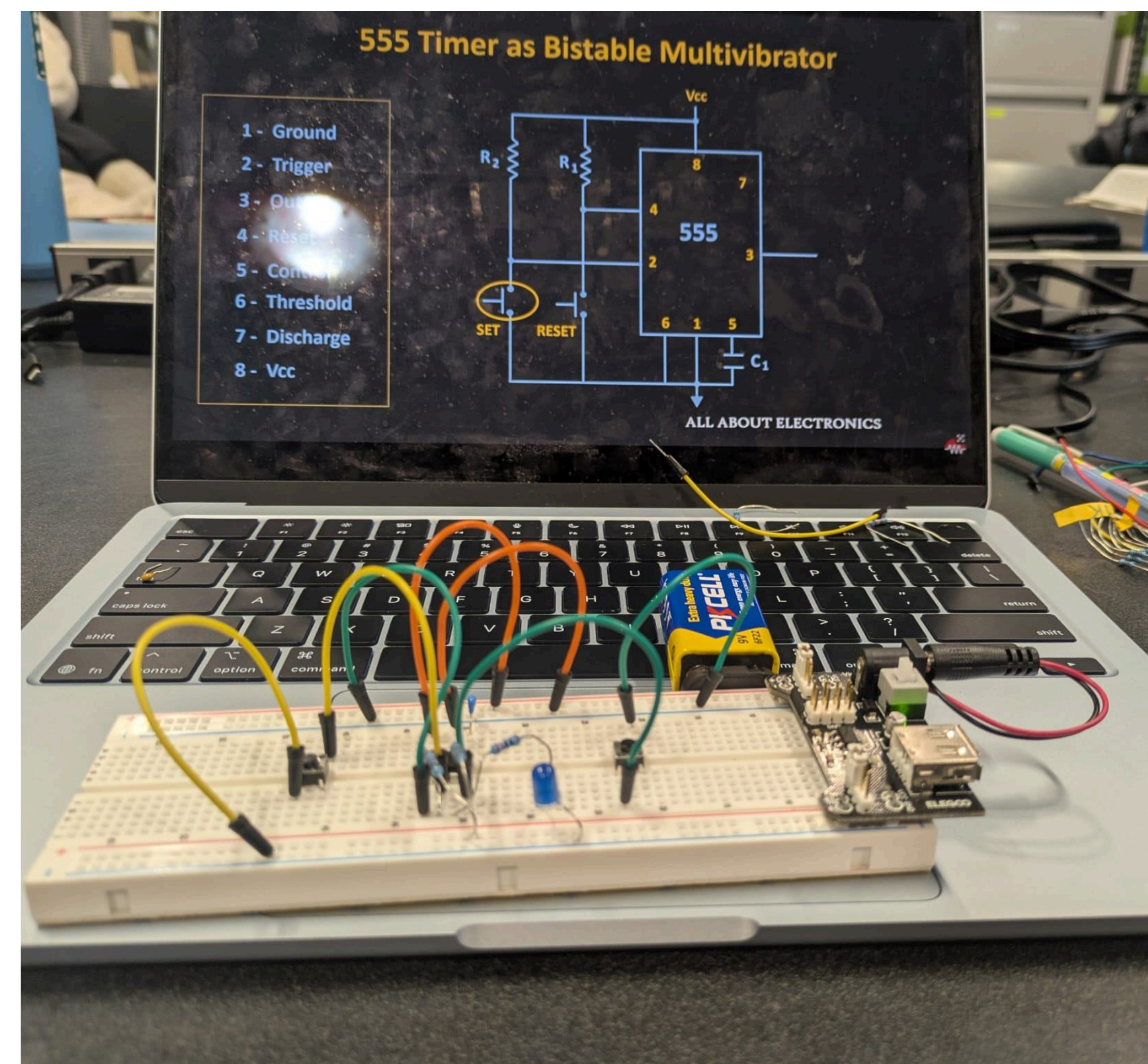
Overview

As the student chapter of the Institute of Electrical and Electronics Engineers at UCLA, we believe in shaping engineers who solve complex problems for humanity. We empower students by providing hands-on project experience, a close-knit network of electrical engineering and computer science majors, and critical collaborative skills. As student participation increases across all of our programs, securing adequate space and funding has become a primary challenge to maintaining our project-focused model. We are continually seeking to expand resources for our projects, host more technical workshops, and grow our corporate networking events. Beyond our academic and professional initiatives, we build and sustain a strong, inclusive community of learning—a vision that would be impossible to realize without the generous donations of our supporters.

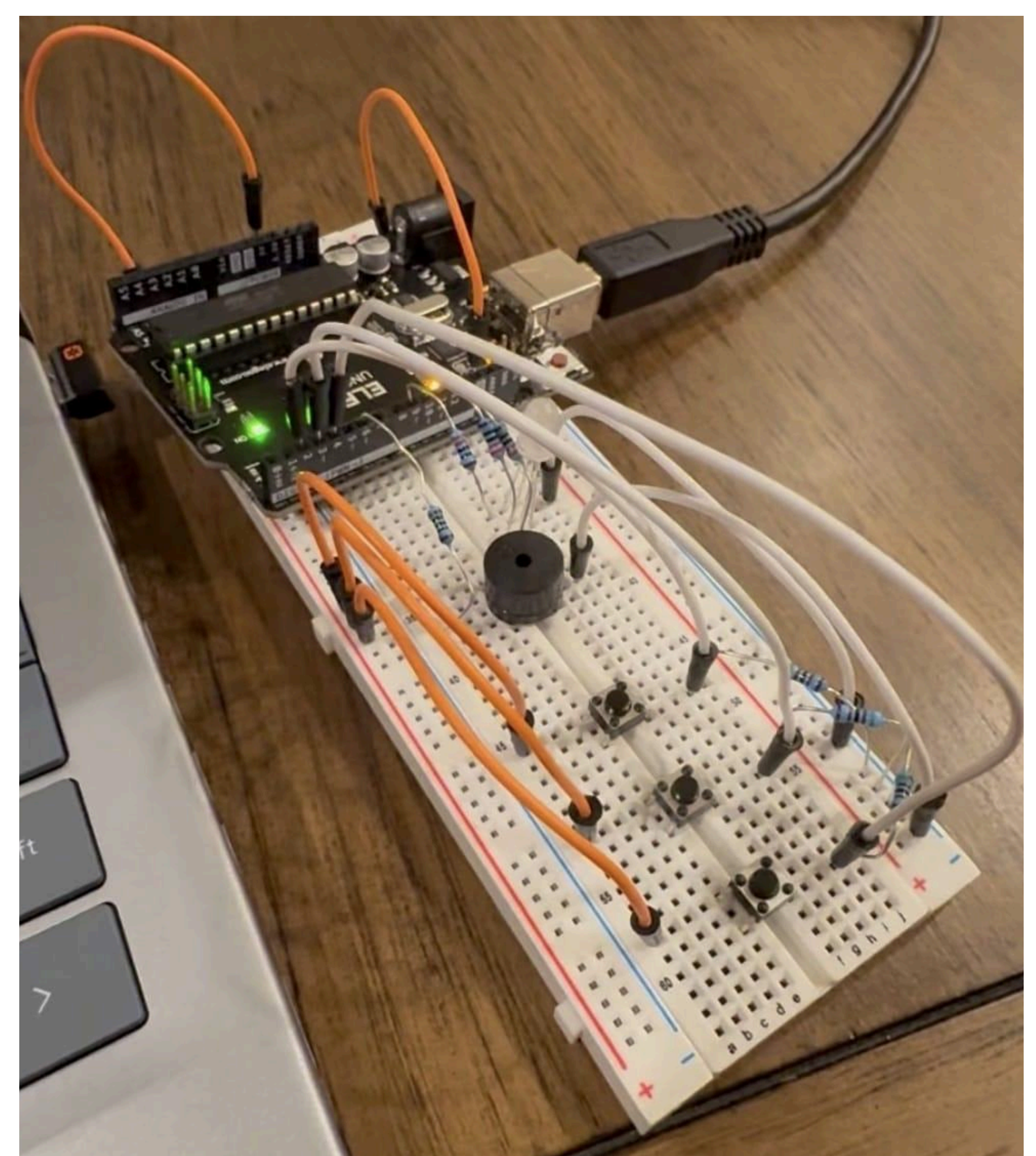
Projects

Open Project Space

Open Project Space (OPS) is an introductory year-long program designed to provide its members with hands-on electrical engineering experiences. The curriculum consists of a series of lectures covering topics such as breadboarding, programming, communications, PID control, and many more.

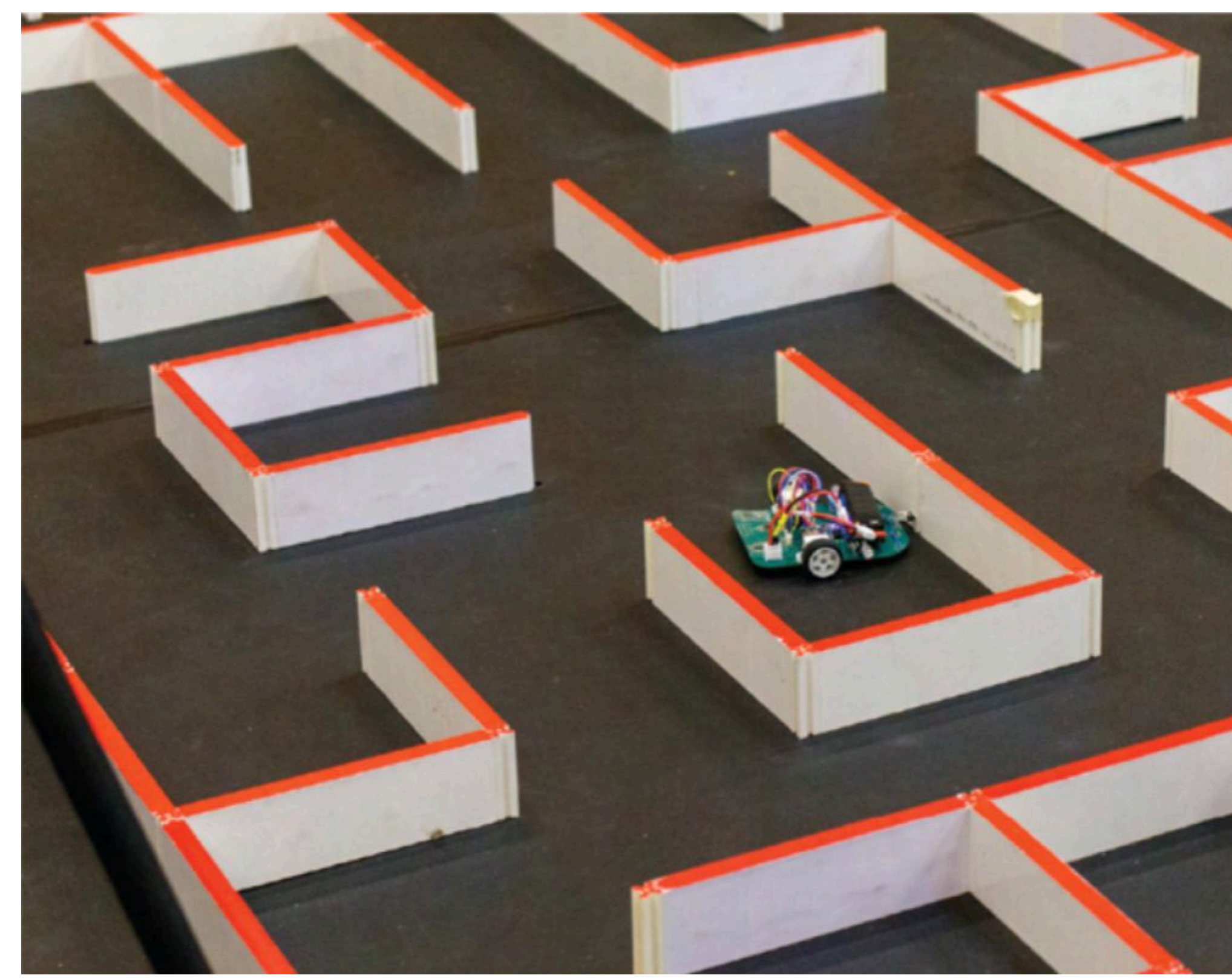
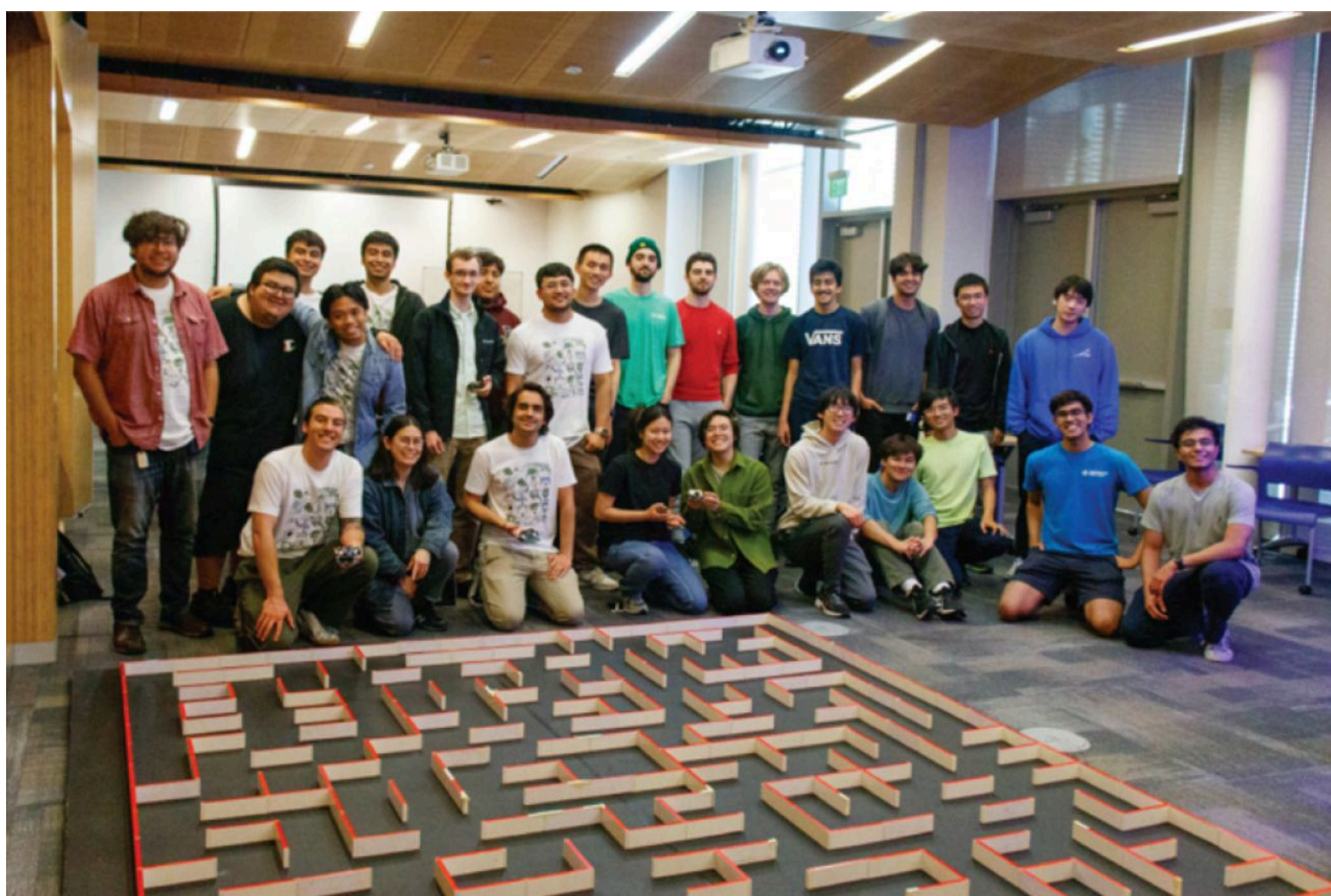


OPS also offers a variety of Arduino-based projects to help students deepen their understanding of lecture material, as well as to prepare them for other programs offered through IEEE, such as Micromouse and Digital Audio Visualizer (DAV). Recently, OPS has received around 100 applicants yearly. However, due to financial and space constraints we are able to accept only a fraction of applicants. Additional funding would allow us to secure more space and accept more students into the OPS program



Projects

Micromouse



IEEE at UCLA's longest-established advanced project. Micromouse, challenges students to develop their skills in circuit design, sensor data acquisition, signal processing, control systems, and algorithms in order to create a maze-solving robot. Over the school year, teams design, build, and program small autonomous robots and use them to navigate and solve a 16×16 cell maze. Teams compete for the fastest time by combining search and speed runs.

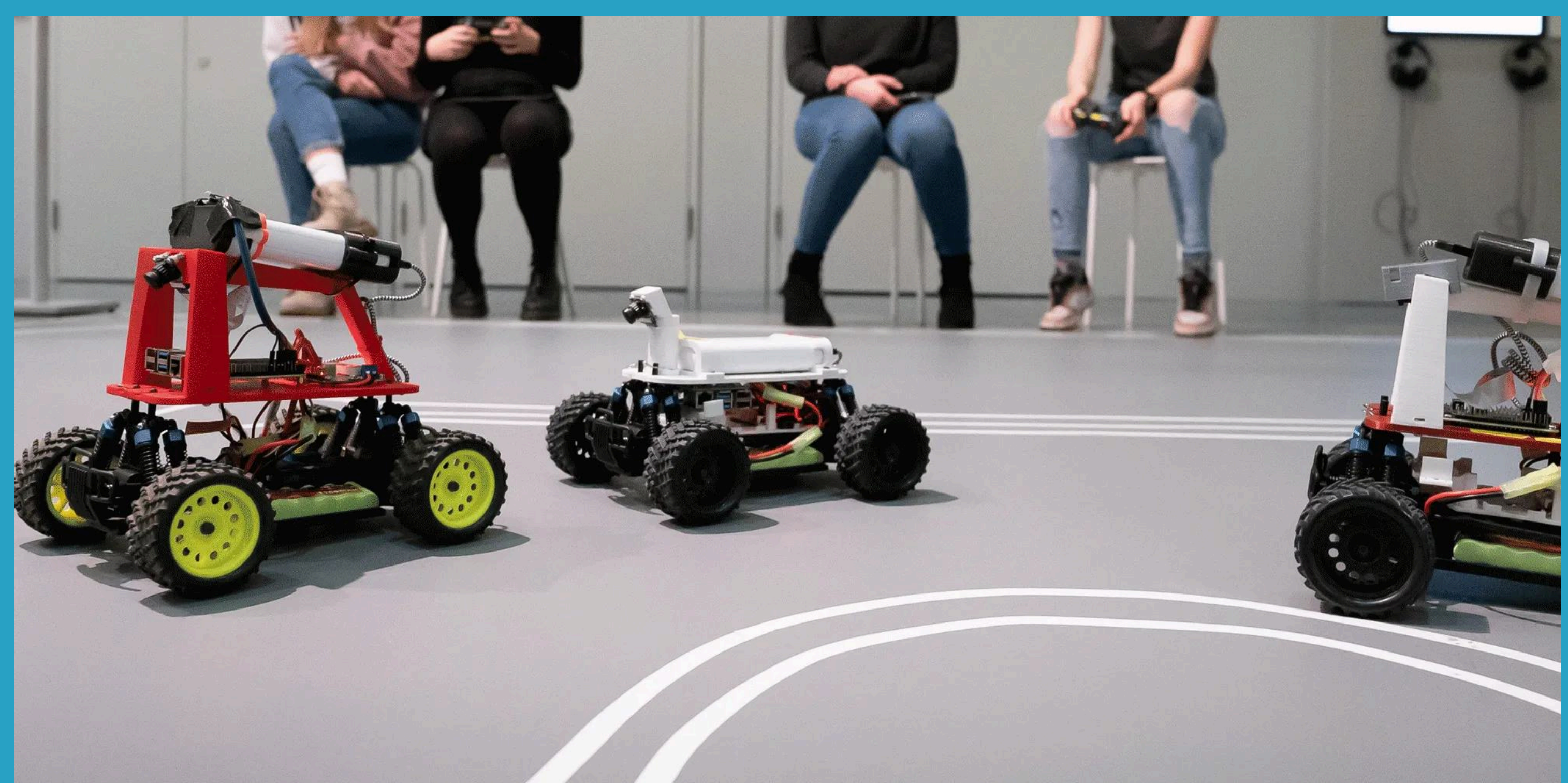
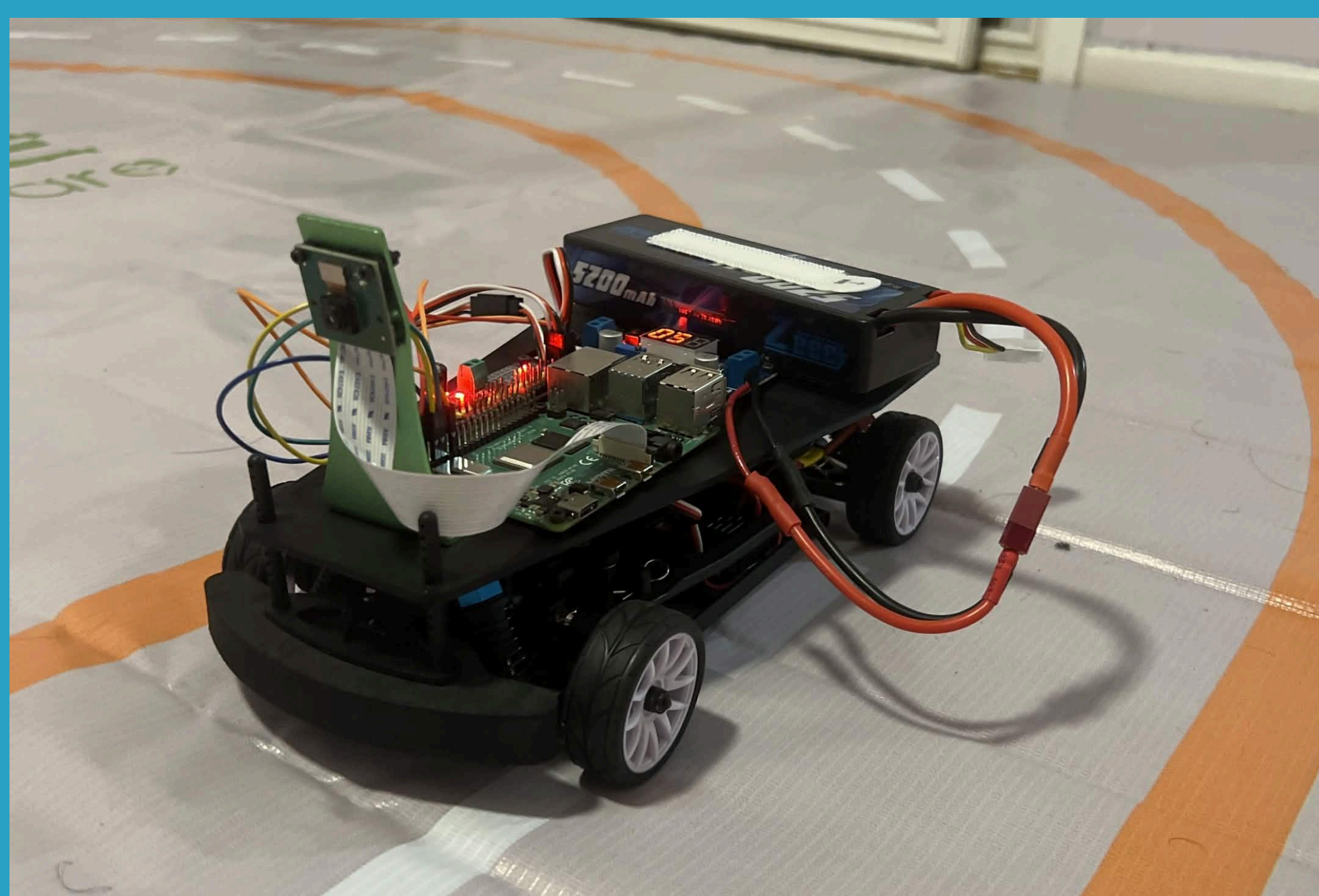
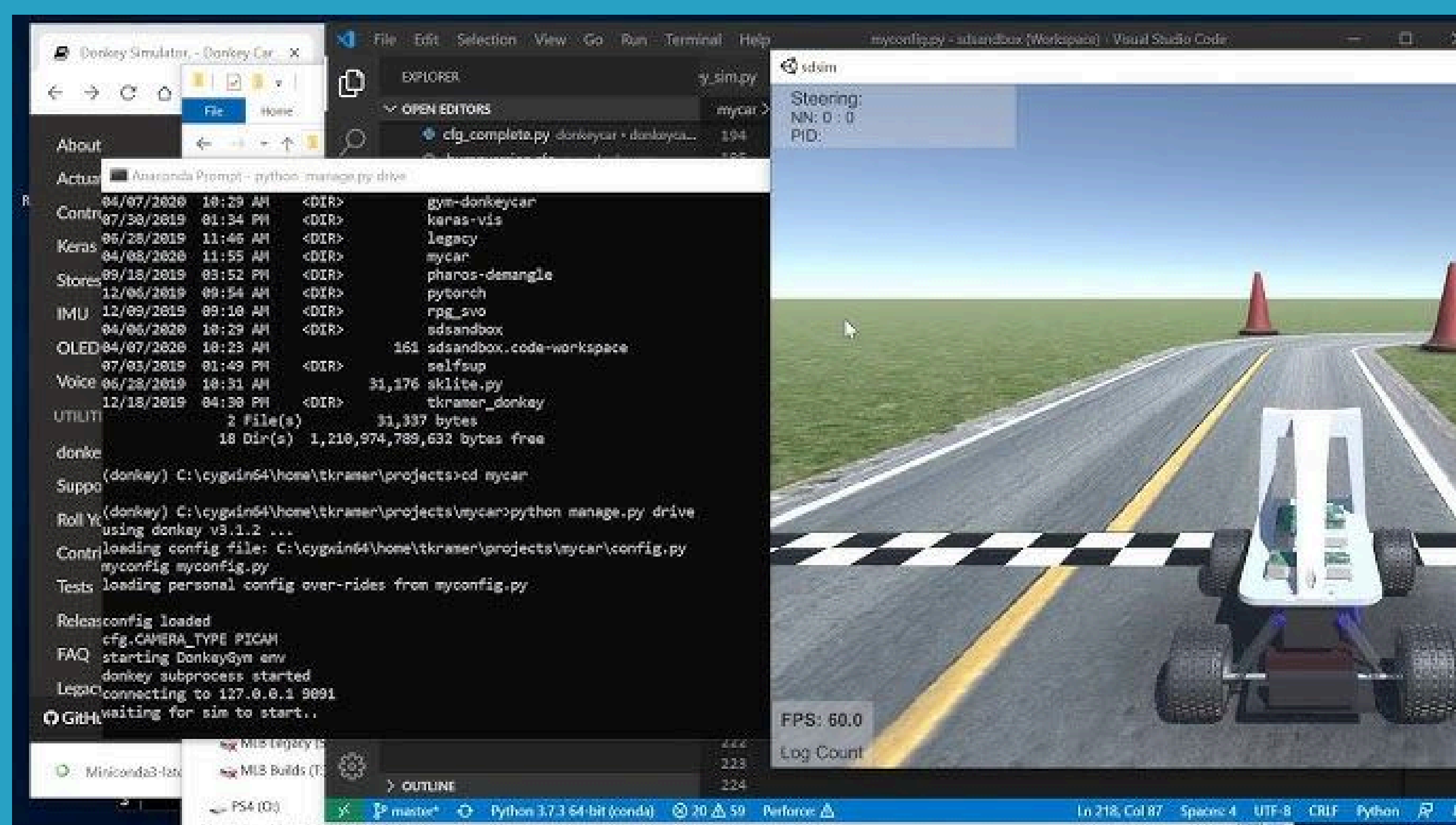
We hold the All-America Micromouse Competition (AAMC) at UCLA every year. Schools from around the country including UCSD, UChicago, ASU, UCI, and others compete alongside UCLA students to solve the maze in the fastest time possible. Student mentorship and returning member participation were successful this past year and will be instrumental in the coming year(s). Additional funding would allow us to accept more students and allow them to experiment with more advanced sensors and parts.



Projects

Donkey Racers

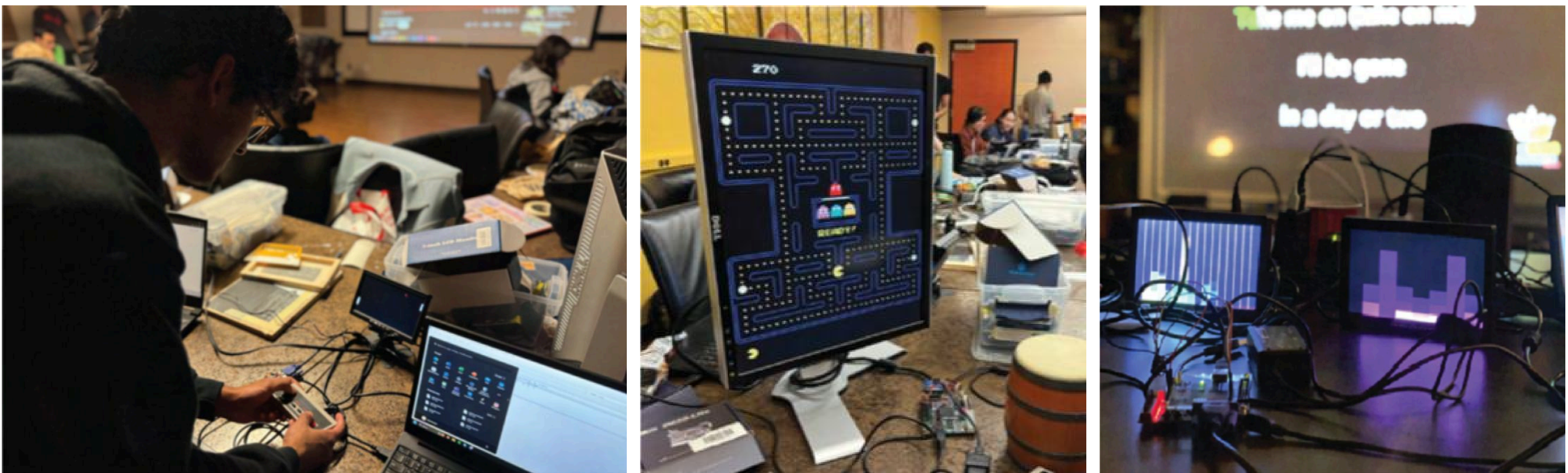
Donkey Racers is IEEE UCLA's flagship ML and robotics project, giving students hands-on experience building fully autonomous RC vehicles. Across a six-lab curriculum, students learn computer vision, deep reinforcement learning, ROS, and networking, with every lab culminating in work on physical DonkeyCar hardware, not just simulation. The program builds toward a capstone project: a multi-car autonomous parking system where cars use a shared reinforcement learning policy (CTDE DQN) to coordinate and park simultaneously, guided by a central coordinator server. Additional funding lets us expand capacity, purchase more DonkeyCar hardware, and fund R&D efforts to keep pushing the curriculum and capstone further each year.



DAV

Digital Design, Architecture, and Verification

DAV is IEEE at UCLA's year-long project aimed at teaching students interested in digital electronics the fundamentals of digital design. Through lectures, assignments, and labs centered around beginner-friendly Basys 3 FPGA boards and the industry-standard AMD Vivado design suite, project members learn and gain experience with digital logic, RTL design, and functional verification—skills highly applicable to the fields of chip design and FPGA engineering.



Students spend spring quarter working on a capstone project of their choice with their teams; capstone tracks include (but are not limited to) the following:

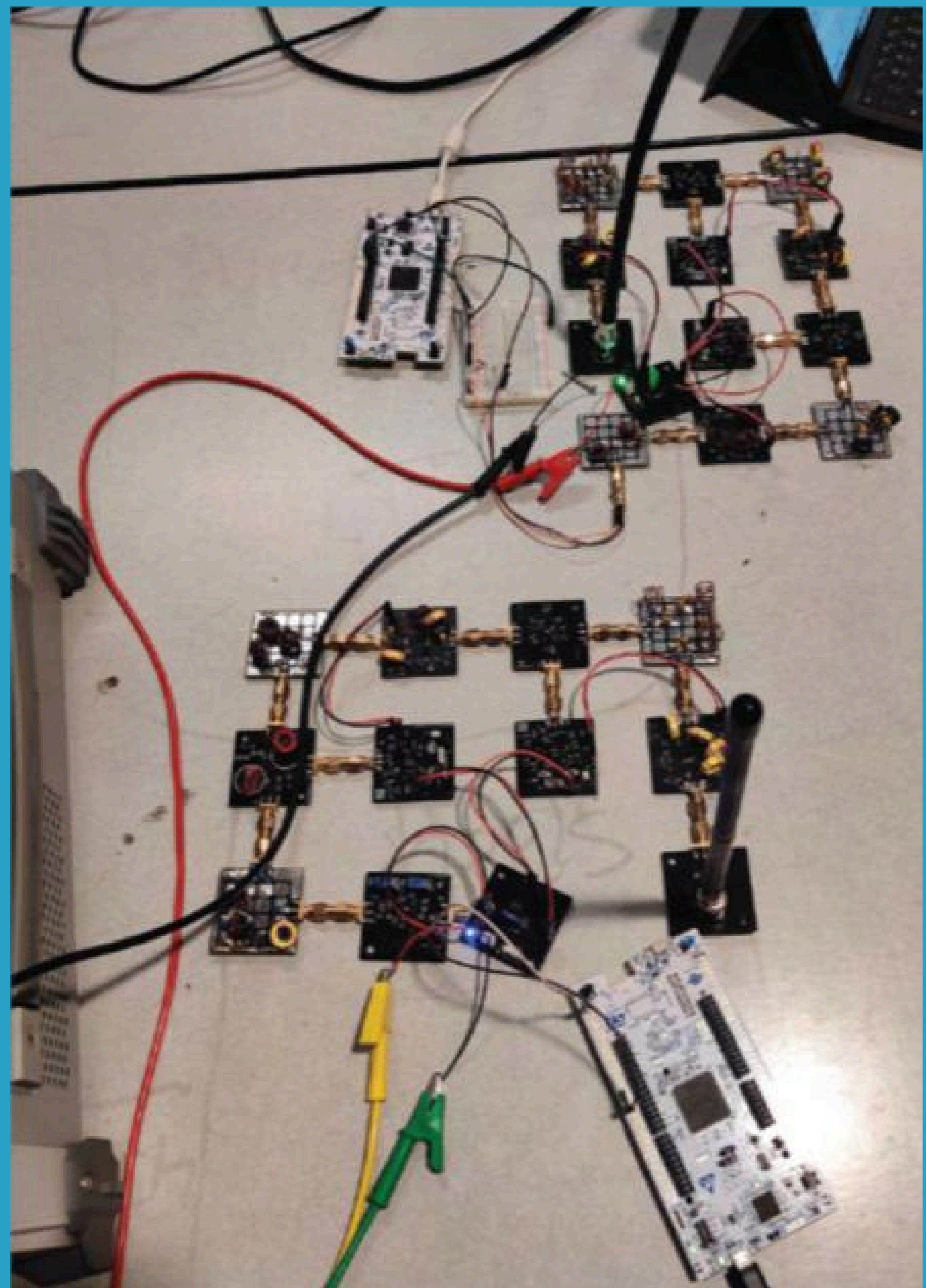
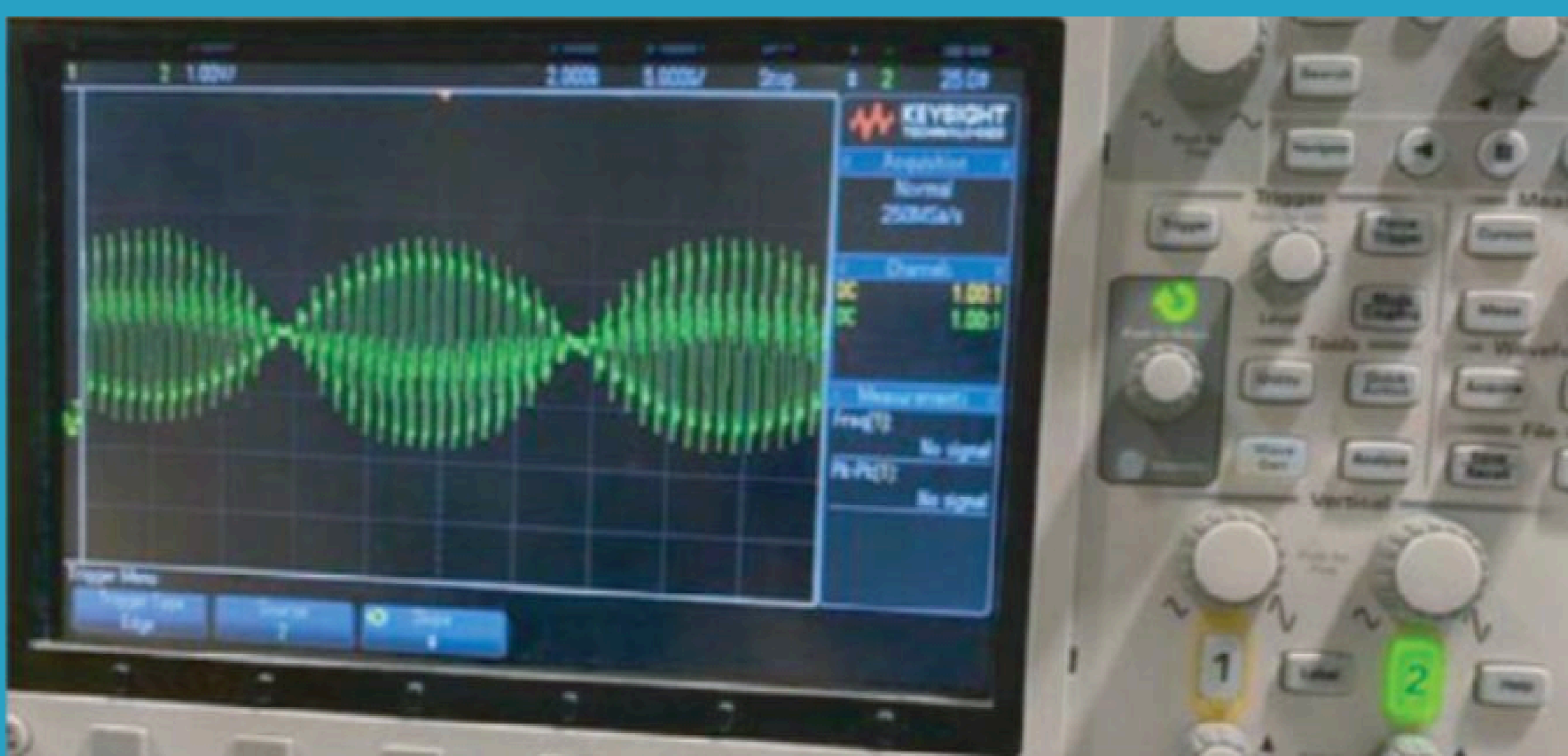
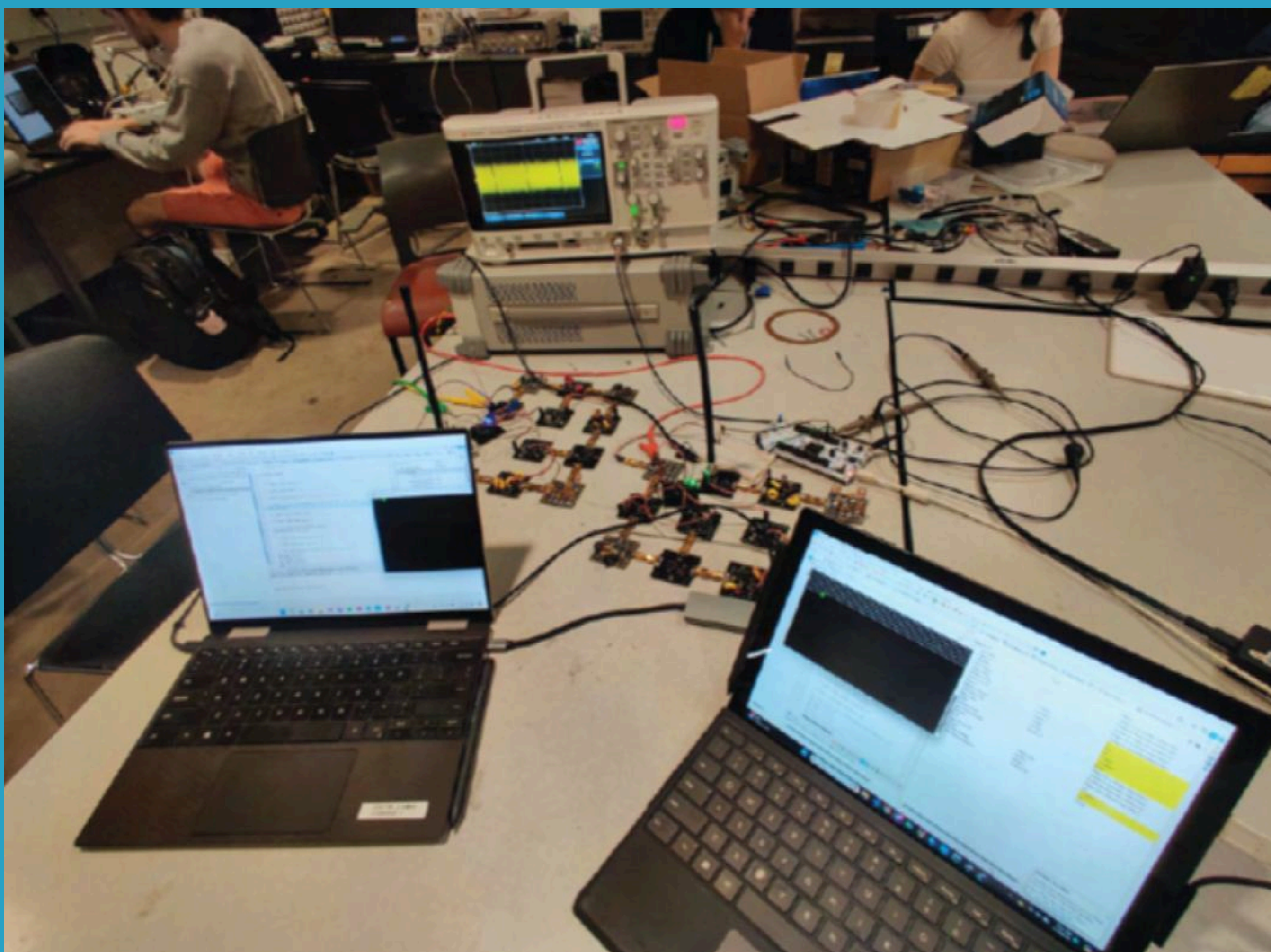
1. Digital Audio Visualizer. Students interface FPGAs with analog microphones and VGA displays to perform digital signal processing and create a histogram of frequencies from audio samples.
2. Digital Arcade & Video games. Students create a game and use communication protocols to achieve communication between peripheral game controllers and FPGAs.
3. DA-V. In this newly-created track for the 2026-2027 school year, targeted towards those interested in computer architecture, students will design their own RISC-V-style microprocessors.

For the vast majority of ECE students at UCLA, DAV is their primary gateway into these fields, providing valuable and relevant hands-on experience that stands out to recruiters. DAV is also indisputably IEEE@UCLA's most popular student project, receiving 100+ applications annually; this number will only continue to grow, as the ECE student population is on the rise. With further funding, DAV can continue to support students with more FPGA kits, new peripheral hardware, and additional events and activities to better set students up for long-term success.

Projects

Wireless, RF, and Analog Project

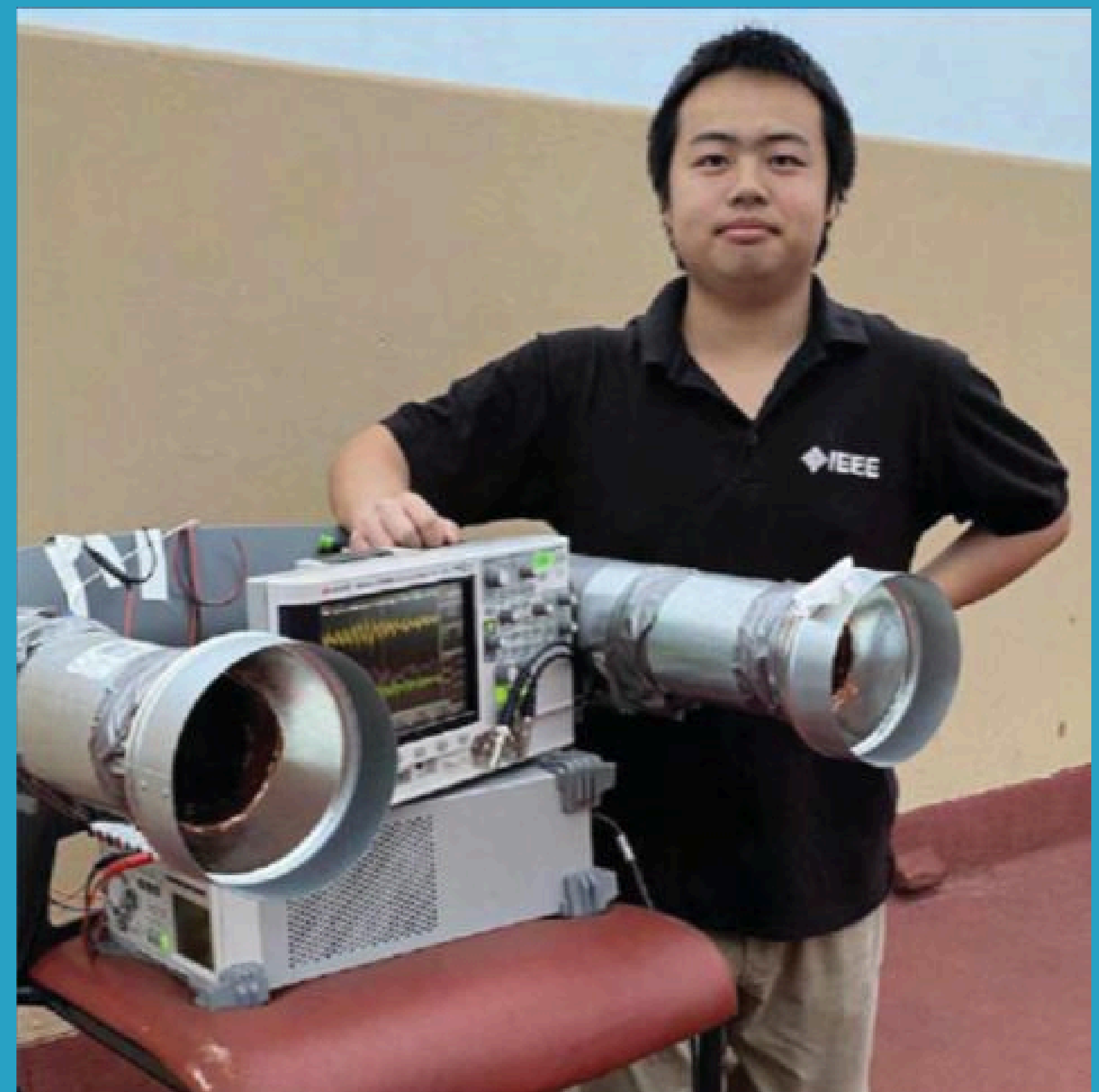
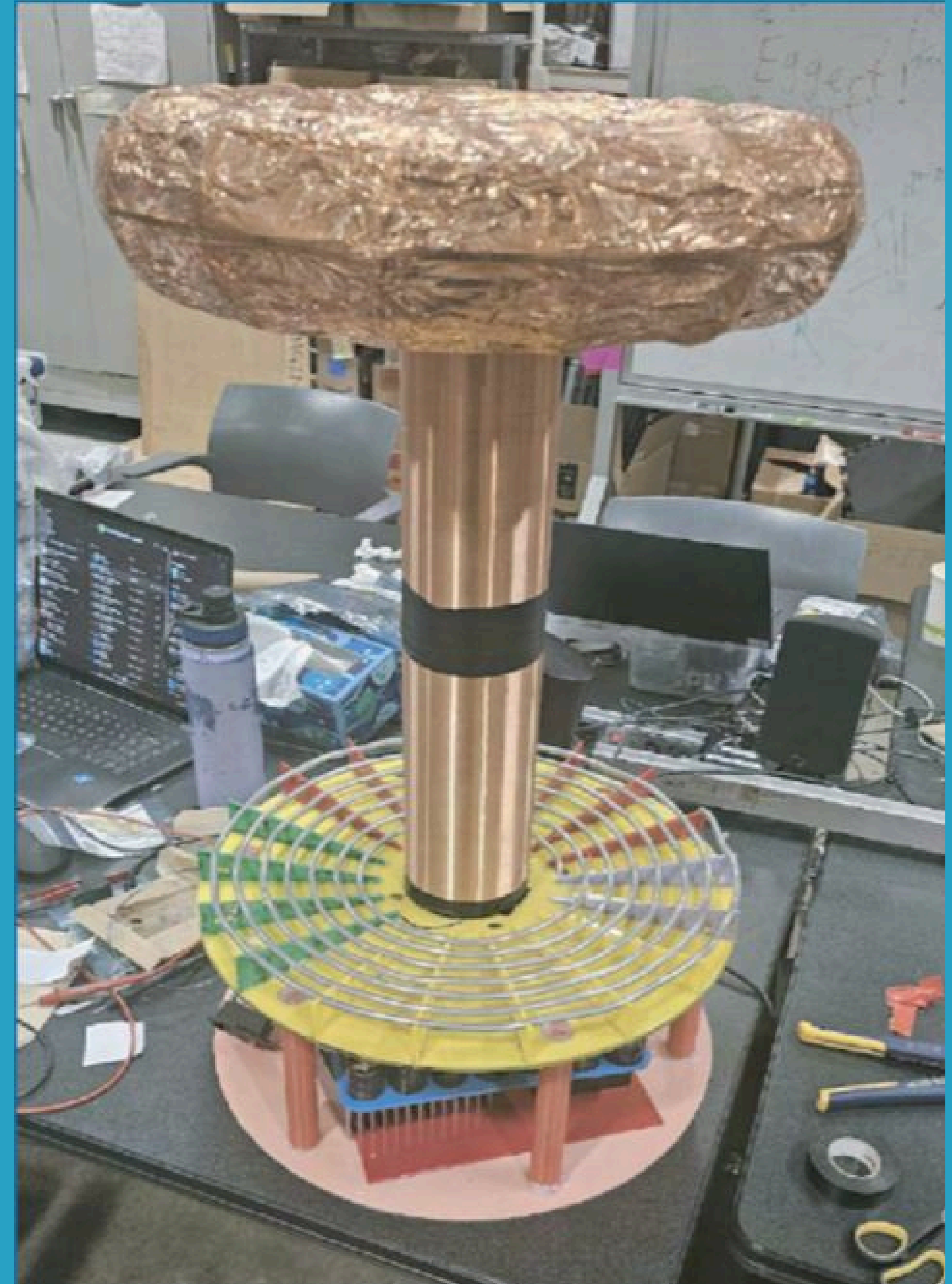
WRAP is an advanced project focused on wireless digital communications and RF circuits. WRAP teaches students a variety of circuits topics used in wireless transmitter and receiver design, including amplifiers, mixers, and oscillators. On the signal processing side, WRAP covers the fundamentals of digital communication, digital filtering, and other techniques used in real world communication systems. As the year progresses, students will use this knowledge to design, build, and test a physical wireless communication system. Further funding would allow us to support more students and acquire more advanced hardware for signal processing.



Student Project Initiative

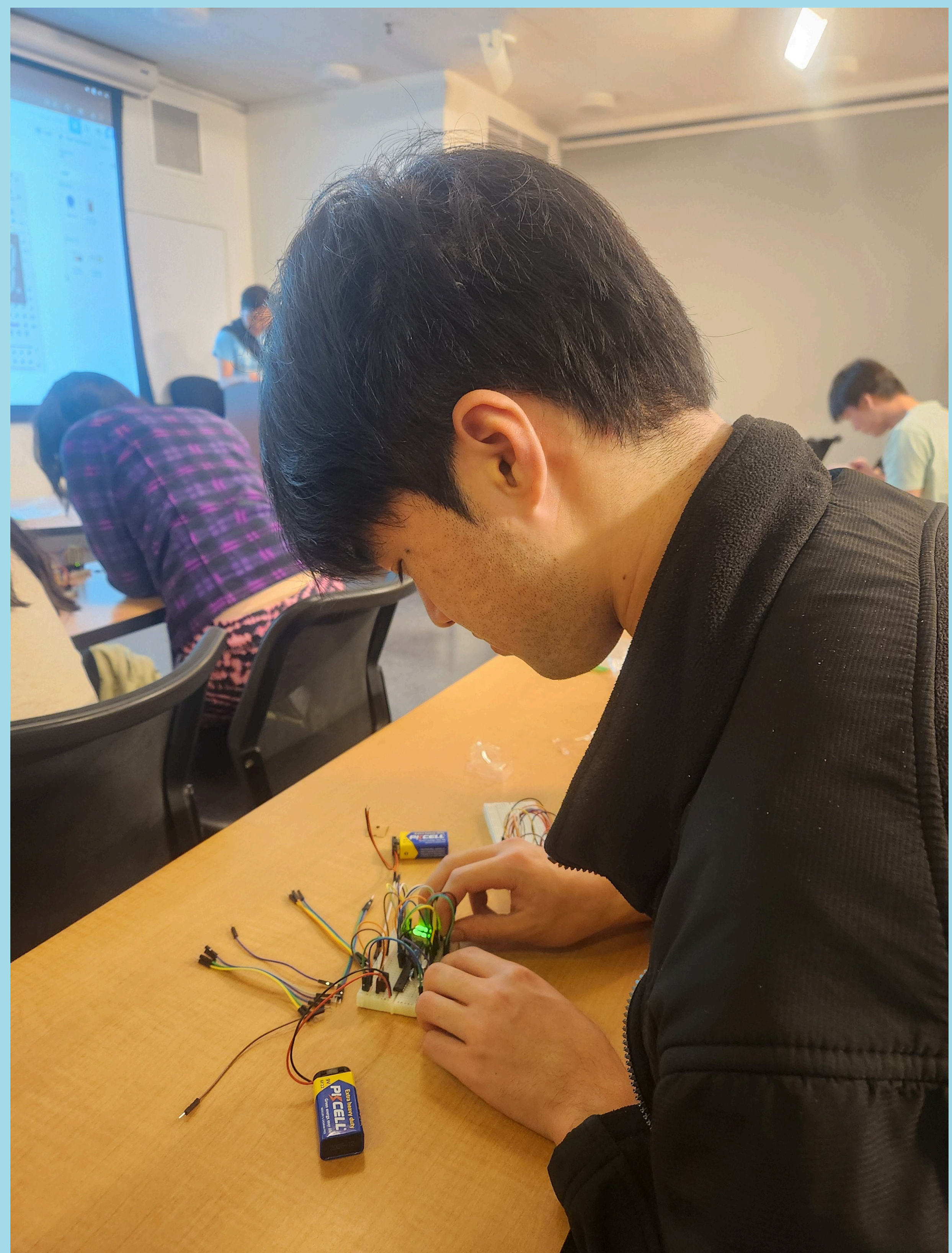
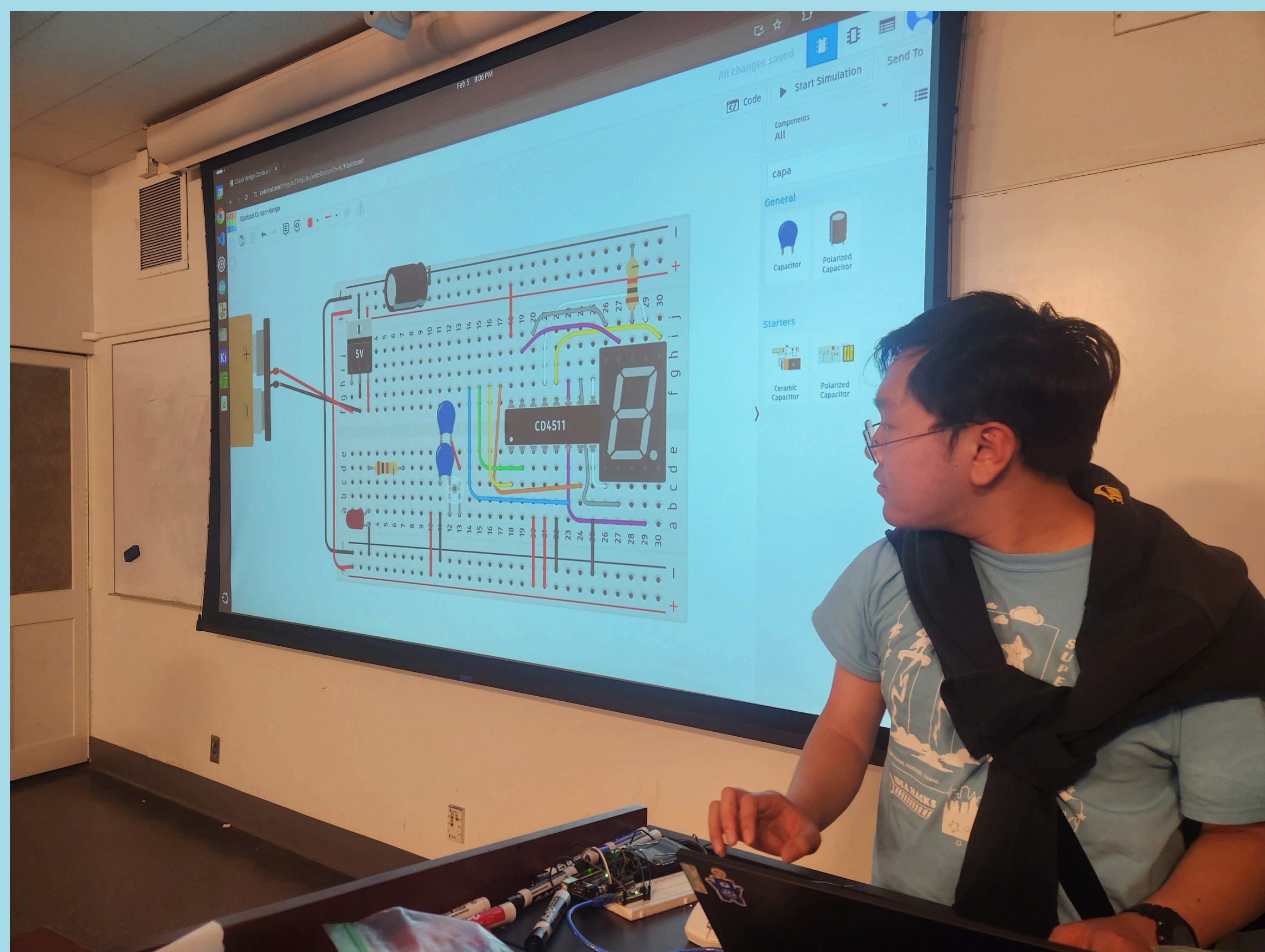
Aside from the five major projects that have been established projects in IEEE at UCLA, there is another opportunity for students to obtain hands-on experience with the Student Project Initiative (SPI). SPI encourages students to pursue their own project ideas by providing tools, funding, mentorship, and the freedom to follow their curiosity.

Some past SPI projects include an FMCW radar, a Tesla Coil, Power Converters, and many more, with students designing and building their projects from scratch. Additional funding would directly allow us to support larger, more advanced projects



Workshops

IEEE at UCLA hosts a series of workshops every year, open to all UCLA students, regardless of major or experience level. Each workshop focuses on a particular skill related to the field of electrical engineering and consists of a short lecture and a hands-on activity. These workshops cover topics such as PCB design soldering, test equipment, an advanced microcontroller programming. Participants are encouraged to interact with one another during the activity and keep their finished projects. Better funding would allow us to R&D more workshops and support a wider network of students, including those outside of UCLA!



IDEA HACKS

For the thirteenth time, IEEE at UCLA proudly presents IDEA Hacks, the largest hardware hackathon on the West Coast! This unique event welcomes students from all schools and majors, providing an extraordinary opportunity to innovate and collaborate over the course of 36 hours. Our hackers receive all the tools they need, including 3D printers, soldering stations, equipment, and hardware, completely free of charge. Plus, we offer free food (and snacks!) throughout the event to keep our participants energized and focused.

Last year, more than 150 hackers participated, showcasing an increasing interest in our hackathon. Whether they are aiming to create something advanced or simply having fun with hardware, our participants integrate both code and hardware to develop impactful and tangible products from scratch.

IDEA Hacks thrives on the generous support of our corporate sponsors. In the past, we've been fortunate to receive support from companies such as DigiKey, Northrop Grumman, Texas Instruments, Optiver, and Infineon! We have many opportunities for hacker engagement and recruitment during the event, offering tabling, workshops, branding, and much more to our partners



Work Hard, Play Hard

FamilIEEEs

FamilIEEEs is our group mentorship program. Every year, members of our officer board choose to lead a group of 8-11 general members for the rest of the academic year. Each group decides on a set of focuses for their group, chosen among academic support, officer shadowing, or professional development. In addition, members of each group get first-hand experience learning what it is like to be an officer for this organization, motivating them to pursue higher club involvement in the future.



Annual Banquet

The annual IEEE at UCLA Student Recognition and Alumni Banquet is established to celebrate and recognize the many accomplishments and successes that the IEEE at UCLA chapter, its members, the ECE department at UCLA, and our sponsors have made possible. We invite our top sponsors to dine with us as a token of our appreciation for their contributions to IEEE at UCLA. The banquet is also a chance to introduce and instate the new officers for the next year to our supporters.



Expenditures

Projects

Extra funding can help projects in numerous ways. Specifically, projects can accept more students, buy more parts, and spend more money on R&D within the project to create advances & a better curriculum for future years. For example, Donkey Racers, UCLA IEEE's newest project, has an increased need for R&D funding, this year replacing broken Raspberry Pis and adding LiDAR sensors in preparation for next year's capstone.

Lab Equipment

One of the main selling points to our engineers is that we have a relatively large lab space fully stocked with tools, passive elements, and other hardware components needed to create just about any project. We want our engineers to never worry about parts limitations so that they can focus solely on their projects. With that being said, funding is the only way we can keep our lab fully supplied.



Sponsorship Tiers

Gold ————— 3500

- One infosession/recruiting event hosted by IEEE at UCLA
- Logo on website and weekly newsletter
- Sponsorship announcement on IEEE at UCLA LinkedIn page and club discord server
- Tabling slot for end-of-year Projects Showcase
- Club-wide resume book access
- Recruiting post in weekly newsletter (1000+ people)
- Invitation for end-of-year IEEE Officer Banquet
- Tabling slot for promotional materials at IDEAHacks

Silver ————— 2500

- One infosession/recruiting event hosted by IEEE at UCLA
- Logo on website and weekly newsletter
- Sponsorship announcement on IEEE at UCLA LinkedIn page and club discord server
- Club-wide resume book access
- Tabling slot for end-of-year Projects Showcase
- Recruiting post in weekly newsletter (1000+ people)

Bronze ————— 1500

- One infosession/recruiting event hosted by IEEE at UCLA
- Logo on website and weekly newsletter
- Sponsorship announcement on IEEE at UCLA LinkedIn page and club discord server
- Club-wide resume book access

Project Sponsor* ————— 500+

Work directly with project leads to determine sponsorship benefits. Some possible benefits include:

- Access to project specific resume book
- Logo on project merchandise
- Sponsor a project competition
- Project specific infosession/recruiting event
- End-of-year Projects Showcase invitation
- Mentorship opportunities

*Donating to one of the three main tiers above includes the Project Sponsorship level for one project of your choice.

Workshop/Info session hosted by IEEE at UCLA ————— 500

- Recruit from target audience with large student attendance
- Event broadcast throughout club discord and ECE department emailing list (2000+ people)

If you have any questions or wish to be a **General, Project, or IDEAHacks** sponsor, please contact us at corporate@ieeebruins.com. Our Corporate Relations Chair would be happy to answer any questions you may have.

How To Give

You may donate/sponsor us online by credit card or PayPal using the online giving link below:

**[https://giving.ucla.edu/campaign/donate.aspx?](https://giving.ucla.edu/campaign/donate.aspx?Fund=14760c&Code=M-44455)
[Fund=14760c&Code=M-44455](https://giving.ucla.edu/campaign/donate.aspx?Fund=14760c&Code=M-44455)**

For further reference, our fund number is **14760c** and our marketing effort ID is **44455**.

The UCLA foundation also accepts donations in the form of checks. In the memo line, please include the following details:

**Institute of Electrical and Electronics Engineers (IEEE) at UCLA,
Fund 14760c, m-44455.**

Checks may be sent to the mailing address below:

**The UCLA Foundation
Po Box 7145
Pasadena, CA 91109-7145**

Your donation will be disbursed by the UCLA Foundation, which receives contributions made by alumni, friends, private foundations and corporations on behalf of UCLA's departments and clubs.

More information about the management of funds can be found here:

<https://mygiving.ucla.edu/faq#disclosure>

Additional documents you may need can be located here:

<https://mygiving.ucla.edu/faq>

Since we hold 501(c)(3) status, donations made to us are tax deductible

For donation and UCLA foundation related inquiries please contact Elisabeth Leavitt, Associate Director of Development, Corporate and Foundation Relations, UCLA Samueli School of Engineering at **ekealy@support.ucla.edu**.