

# Olivia Mudong

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## EDUCATION

Expected Graduation: May 2022

### The University of Texas at Austin

Bachelor of Science, Electrical Engineering  
Minor in History

Tech Core: Electronics and Integrated Circuits

## EXPERIENCE

### Circuit Scribe - Collaborative Assistant

September 2021 - Present

- Examined schematics to create BOMs and implement circuit modules on a flexible material
- Created circuits on stickers using epoxy and smd components

### Circuit Scribe - Engineering Intern

May 2019 - August 2019

- Designed a vibration module that was compatible with previous components
- Worked with the marketing team to develop and publish Drone Curriculum

### Thinkery Science Museum - Direct Service Staff

October 2018 – March 2019

- Managed large groups of kids while providing an entertaining learning environment
- Introduced children to science and engineering concepts through hands-on activities

### EOE FIG Mentor

August 2018 – May 2019

- Led an equal opportunity in engineering first-year interest group
- Helped underrepresented populations of students be successful in their first year

### Thinkery Science Museum - Intern

October 2015 – February 2016

- Introduced children to science and engineering through hands-on activities
- Facilitated learning activities with large and small groups of children

## PROJECTS

### Low Level Light Therapy to Improve Cognitive Function

January 2021-Present

- Capstone project with Dr. Gonzalez-Lima
- Designed the LED array, oximeter to read blood oxygen, and the 3D printed device
- Low-cost device designed to be used by patients at home through BLE connection to an android app
- Schedule team meetings and meetings with mentors
- Project manager for hardware team

### Solar Car

August 2017

- Acted as the electrical crew chief for this organization
- Built a street-legal car with max speeds around 30 miles per hour
- Raced the solar car in an international competition

## SKILLS

Experience in circuit design, 3D printing, soldering, PCB design, PCB milling, and breadboarding

Proficient in Assembly, Verilog, C, and C++

Experienced in Adobe Photoshop, Adobe Illustrator, Multisim, LabView, Matlab, Autodesk Inventor, Autodesk Revit, Fusion 360, and Autodesk Eagle

Strong communication and teamwork skills

## ACCOMPLISHMENTS

International Baccalaureate Diploma

Volunteer at UT's Introduce a Girl to Engineering day in 2016, 2017, 2018, and 2019

Active member of Women in Electrical and Computer Engineering

Certified Scuba Diver, experienced backpacker, amateur crafter