

First and Last Name

(312) 996-2311 ▪ netID@uic.edu ▪ [LinkedIn URL](#)

Education

University of Illinois Chicago (UIC)

Bachelor of Science in Electrical Engineering

Relevant Coursework: VSLI Design, Electromagnetic Compatibility, Control Systems

Expected: May 2022

Skills

Application: MATLAB, Eagle Schematics and PCB, RT, Microsoft Office Suite, SharePoint, Google Drive

Languages: Python, C, C++, Assembly ARMv7

Hardware: Soldering, Raspberry Pi, Micro:bit, Arduino, Breadboard wiring

Work Experience

Technology Solutions, UIC

April 2019-Present

Computer Operations Aide

- Troubleshoot technological problems for staff and faculty in the College of Architecture and Design and Art
- Provide Tier 1 level support to 250+ university devices (computers, printers, projectors, etc.)
- Update and maintain inventory of university devices and equipment
- Help train newly hired IT helpdesk works on company procedures and how to provide quality customer service

PROCTER & GAMBLE, North Chicago, IL

June-August 2019

Summer Electrical Engineering Intern (R&D)

- Designed, printed, soldered, tested a PCB with 50+ components
- Connected the designed PCB to a Raspberry Pi to analyze input
- Presented project to the engineering team, along with weekly meetings to learn and get feedback on design

Projects

Echo-Aid, Senior Design

August 2021-Present

- Work in a four-student team to prototype a device that enhances communication between healthcare workers and patients in hospital wards where noise levels are too loud due to heavy equipment
- Research different technologies, and submit weekly assignments based on analyzing research to faculty advisor
- Conduct surveys within the healthcare community to gauge design requirements
- Use EAGLE to create schematics and PCB designs for prototypes and develop Bill of Materials for design iterations
- Use MATLAB to design and test different types of filters best fit for noise cancellation

SpaceX Chicago Hyperloop Competition, Joint AIAA/IEEE at UIC Project

September 2019-February 2020

- Integrated navigation and distance sensors into the main brain of the pod for the SpaceX Hyperloop competition
- Worked specifically on getting the VectorNav navigation sensor to obtain distance from the accelerometer
- Attended weekly meetings with Electronics team to discuss progress/solutions; set goals in accordance with project schedule
- Collaborated on weekly meeting with the VectorNav subgroup to code, and test the sensor on a Jetson Nano computer

Leadership Positions

Institute of Electrical and Electronics Engineer (IEEE), UIC

May 2021 -Present

Vice President

- Train new board members on their duties and responsibilities, and keep up with tasks for them
- Help submit registration, budget, and plans and strategize club direction for the virtual semester
- Help plan and edit weekly newsletter/social media advertisements for the club
- Recruit and present clubs' activities and message to incoming freshman and transfer students, and faculty

Tinkering Program (IEEE), UIC

Fall 2019-Present

Co-Leader

- Educate students on soldering, Micro:bit programming in C++, and Python at a beginner's level in hour long weekly workshops each semester
- Help plan, schedule, and advertise workshops and recruit volunteers to help with the program