

Zoom Chow

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<https://zoomchow.github.io/>

EDUCATION & AWARDS

University of California, San Diego—La Jolla, CA

Major: B.S. Electrical Engineering; Minor: Business

Awards – Provost Honors, QB Finalist

Sept 2020—Jun 2024

RELEVANT COURSEWORK

- Analog Design
- Circuit Prototyping
- Circuits and Systems
- Components and Circuits Laboratory
- Computer Engineering
- Digital Design
- Engineering Computation
- OOP: Design and Development with C++

TECHNICAL SKILLS

- Arduino C
- Assembly Language
- Autodesk EAGLE
- C/C++
- Circuit Analysis
- CSS
- Fusion 360
- HTML
- Inkscape
- JavaScript
- MATLAB
- Onshape
- OrCAD Capture
- Python
- VHDL

PROJECTS

Wearable to Aid the Blind

Jan 2022—March 2022

- Researched problems blind people face at the varying levels of blindness
- Collaborated with team of 4 to design a wearable prototype utilizing a microcontroller and sensors
- Presented prototype to 20 peers and 9 judges, and wrote 80% of the documentation

Security System

Oct 2020—Dec 2020

- Devised a project that can be presented to future students to learn the basics and interconnectedness of varying hardware and software components
- Communicate with my project team to develop a security system using MATLAB, MATLAB's camera feature, Arduino, and some hardware components (e.g. buzzers and LEDs)
- Directed and wrote 50% of the documentation as well as 30% of the video demonstration

VOLUNTEER EXPERIENCE

FIRST Robotics – Robotics Design Judge

Nov 2021

- Interviewed the robotics team to accordingly award points as 1 of the 3 judges
- Elaborated and discussed each team's qualifications and merits to determine rankings
- Analyzed 5 teams of 7+ students based on design values and provided critical feedback

LEADERSHIP EXPERIENCE

Society of Asian Scientists and Engineers – UCSD

Oct 2020—Present

Logistics Intern

- Handling, managing, and organizing organization's finances via fundraising, funding, and reimbursements
- Assist in reaching out to sponsors to fund our organizations expenses
- Plan logistics of organization's 30+ events for over 30 attendees per event