Ryan Chan

Website: RyanChanTech.github.io

EDUCATION

Cornell University, College of Engineering, Ithaca, NY   **Expected May 2023**
Bachelor of Science, Electrical and Computer Engineering
GPA: 3.83; Dean's List

Relevant Courses: Object-Oriented Programming and Data Structures (A-), Electromagnetism (Fall 2020), Introduction to Circuits (Fall 2020), Digital Logic and Computer Organization (Fall 2020)

EXPERIENCES

Engineering World Health Project Team, Cornell University   **Sept. 2020-Present**
- On the electrical sub-team of a project team that develops technology-based health solutions that benefit low-resource communities.
- Currently building a low-cost and non-invasive prosthetic arm control interface for a prosthetics company
    - Designed most of the Printed Circuit Board (PCB) and wrote a large part of the software using C

Cornell Makeathon, Cornell University   **Feb. 2020**
- Collaborated with a team of 4 to build a magnetic, autonomous, and Bluetooth-connected whiteboard eraser robot
- Secured first place in the makeathon.

Tradition Fellowship, Cornell University   **2019-2020**
- Was chosen as a Tradition Fellow based on academics, service and work ethic, and did activities related to these qualities at Cornell.

Cornell Dining, Cornell University   **Jan.-Mar. 2020**
- Learned to do tasks efficiently and manage time in a fast-paced work environment.

Financial Research, Quinnipiac University   **2018-2019**
- Used Python skills to help a professor at Quinnipiac University conduct financial research.
- Wrote a script that filters out bots in a large dataset and a script that compares the similarity of patents.

PERSONAL PROJECTS

Personal Microcontroller   **Aug.-Sept. 2020**
- Developed a microcontroller board that is like an Arduino, but with modifications to suit my own preferences.

Gesture Controlled Lock   **Jul.-Aug. 2020**
- Assembled and led a team over break to make a contact-less lock that uses basic hand gestures to enter the passcode to open a garage door.

YouTube Channel   **2016-2020**
- Post videos of personal electronic projects and tutorials
- Channel has accumulated over 80k views.

SPECIALIZED SKILLS

Coding: Python, Java, Arduino, C/C++, JavaScript, Verilog, HTML, CSS
CAD: Autodesk EAGLE PCB, Autodesk Fusion 360
Others: Adobe After Effects, Git