Richard Jin

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*Updated on August 8th, 2022

EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Intended Major- Computer Science
Graduation date: May 2024

Walnut High School, Walnut, California
Graduated in the top 1% of the class.

SKILLS

Python • C++ • Java • Swift • Ocaml • Logism • HTML • CSS • Fusion 360 (CAD)

COURSEWORK AT CORNELL (GPA: 3.83/4.00)

- OOP & Data Structure (CS 2110)
- Computer System Organization & Progr (CS 3410)
- Machine Learning (CS4780)
- Functional Progr (CS 3110)
- Algorithm (CS 4820) (currently taking)
- Database (CS 4320) (currently taking)

- Multivariable Calculus (MATH 1920)
- Differential Equations (MATH 2930)
- Linear Algebra (MATH 2940)
- Probability & Statistics (ENGRD 2700)
- Mechanics & Heat (PHYS 1112)
- Electromagnetism (PHYS 2213)
- Discrete Math (CS 2800)

OTHER EXPERIENCE

Scifi Lab, Ithaca, NY   September 2021 – Present
Lab Member
Participate in data collection • Collect experiment data by using raspberry pi modules and pi cameras • Augment deep learning training dataset based on various computer vision methods • Collaboratively work on making deep learning models used in research projects • Write research paper

Combat Robotics at Cornell (CRC), Ithaca, NY   June 2022 – Present
Firmware Subteam Lead
Lead the team in building circuits for both remote controlled combat robots and autonomous showcase robots • Lead the team in coding the program for robots to move autonomously based on deep learning and computer vision methods.

Combat Robotics at Cornell (CRC), Ithaca, NY   January 2021 – Present
Member
Designed and built combat robots' mechanical parts on Fusion 360 • Designed and built electrical components of remote controlled combat robots • Coded the program and built circuits for autonomous showcase robots

Show Tracker App, Ithaca, NY   August 2021 – February 2022
Frontend Programmer
Worked with two other frontend programmers and two back-end programmers to make an app • Made the user interface for the app with other teammates • **Link to the frontend code** • **Link to the backend code** • **Demonstration of App features**

DIY Electric Longboard, Walnut, CA   December 2020 – January 2021
Built my own electric longboard that is powered by Li-Po batteries and a brushless motor

Build My Personal Website, Walnut, CA   October 2020 – January 2021
Created my own personal website based on a template found online • Website link: **https://richardmjin.github.io/**