

# Richard Jin

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richardmjn.github.io

github.com/RichardmJin

\*Updated on August 8th, 2022

## EDUCATION

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**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

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

## COURSEWORK AT CORNELL (GPA: 3.83/4.00)

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- 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

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**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 Firmware sub-team in building circuits for remote controlled combat robots and autonomous showcase robots • Lead the sub-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 • Links: [frontend code](#) • [backend code](#) • [Demo 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://richardmjn.github.io/>