

# Connor Lam

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## Education

### University of California, Berkeley

**Aug 2021–Dec 2023**

Bachelor of Arts in Computer Science & Data Science

Berkeley, CA

Coursework: Data Structures and Algorithms, Data Science, Discrete Math, Statistics/Probability

### Irvine Valley College

**May 2019–Jun 2021**

Associate's Degrees in Mathematics & Physics

Irvine, CA

## Skills

Python(Pandas, Numpy, scikit-learn), AWS, SQL, Java, HTML/CSS(Bootstrap), JavaScript, C, C++, Lua, Microsoft Excel, Jupyter Notebooks, Google Colab

## Experience and Projects

### Rimble | AWS, Python

**June 2022–Aug 2022**

Software Engineer Intern

Berkeley, CA

- Programmed scripts to collect live broadcast information as well as historical records of popular E-Sports games.
- Worked independently with a high-impact, integrating scripts into Rimble's data pipeline using Amazon Web Services to make available to clients.

### Delphi Engineering Group | VHDL, C, Java

**Dec 2021–Jan 2022**

Software Engineer Intern

Irvine, CA

- Configured bit manipulation among various programming platforms to interpret and transmit proper information among registers of commercial aerospace radar systems.
- Debugged and updated VHDL(VHSIC Hardware Description Language) program to fix bugs for PG4 FPGA(field-programmable gate array).

### Project - Inventory Checker | Python, HTML, JavaScript

**Dec 2021–Jan 2022**

Personal Project

Mission Viejo, CA

- Implemented a web-scraper to check the availability of highly sought-after items in real-time.
- Programmed an emailing bot to send hourly email-updates on the status of a given item, as well as an alerting email as soon as an item is detected to be in stock.

### Project - Ataxx | Git, Java

**Spring 2022**

Course - Data Structures and Algorithms

Berkeley, CA

- Implemented the Ataxx board game through constructing game rules and methods and creating the GUI interface.
- Programmed AI that relies on alpha-beta pruning algorithm to determine the the best moves.

### Project - Enigma | Git, Java

**Spring 2022**

Course: Data Structures and Algorithms

Berkeley, CA

- Implemented program to model The Enigma, an enciphering machine used by German armed forces during WWII.
- Constructed classes to mimic inter-workings of the physical enciphering machine: rotors, different cycles, various libraries, permutation methods.

### Project - Onecart | Git, HTML, CSS, JavaScript

**Nov 2021–Present**

Personal Project

Berkeley, CA

- Designed Google Chrome extension to act as a single third party shopping cart across multiple e-commerce platforms such a Amazon, Target, etc.
- Developed a checkout bot that can bypass various firewalls so users can checkout from their cart in one instance.
- Preparing to implement AI capabilities in order enable the checkout bot to adapt to any format of online stores.

## Extracurricular Experience

### Head of Social Media / Business Outreach

**Jun 2020–Jul 2021**

So-Cal Students for Uyghur Justice

Irvine, CA

- Scheduled and supervised posts to be released on social media.
- Communicated with business leaders to discuss logistical alternatives to manufacturing their products.