

Carter Ellison

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EDUCATION

Cornell University, College of Arts & Sciences, Ithaca, NY

Expected May 2022

Bachelor of Arts, Computer Science

GPA: 3.34

RELEVANT COURSEWORK

- Object-Oriented Programming & Data Structures
- Discrete Structures
- Computer System Org and Programming (In Progress)
- Linear Algebra
- Functional Programming
- Natural Language Processing (In Progress)

PROFESSIONAL EXPERIENCE

Jasper Financial

Remote Internship

Full Stack Software Engineer Intern

June 2020 – August 2020

- Developed a React App that allows customers to apply for a loan preapproval
- Integrated front-end with DynamoDB NoSQL database using AWS Lambda and Node.js
- Verified customer identity using the Alloy API and Python by analyzing fraud reports
- Created a WordPress plugin using PHP that allows a React app to be embedded in the website

Portatech

Rancho Santa Margarita, CA

Software Engineer Intern

June 2019 – August 2019

- Developed a GUI using Java that allowed employees to quickly design and print out custom instruction sheets for customers on how to test and assemble their computers
- Improved traffic to the company's website by prioritizing successful Google AdWords keywords and as a result, the conversion rate went up 10% and the click through rate went up 8%

Hardware Intern

June 2018 – August 2018

- Custom assembled over 200 computers with modern and older hardware

ADDITIONAL EXPERIENCE

Aquaculture Project Team

Ithaca, NY

Software Engineer

February 2020 – Present

- Developed preprocessing algorithms in Python that stripped camera footage into individual frames to be used as input into a machine learning model for assessing the population health of aquaculture fish tanks

ECaFT Tech Subteam

Ithaca, NY

Software Engineer

September 2019 – September 2020

- Built out a front-end interface for a queue management system to reduce lines at the annual engineering career fair
- Managed Firebase database for the career fair app, ensuring that current employer attendance was up to date

Delta Tau Delta Fraternity

Ithaca, NY

Director of Finance

November 2019 – Present

- Managed a \$400,000 budget and conducted weekly Budget v. Actuals analyses to track expenditures
- Made monthly financial reports to the Central Office of the Fraternity

Student Management Corporation

Ithaca, NY

Director on Board of Directors

November 2019 – Present

- Advised the financial activities of the company that manages dining for the majority of Cornell Greek Life
- Voted on policies that managed the company's multimillion dollar budget

PERSONAL PROJECTS

Stock Trading Game Website

- Created a website that allowed users to buy and sell stocks with fake money using Python, JavaScript, and SQL
- Website queried stock information from Yahoo stocks in real time to track changes in their portfolio's value
- Stored login and portfolio information in a SQL database

Google News Map Website

- Generated a map of the United States with local news articles dynamically overlaid where they took place
- Pulled news articles from Google News and used the Google Maps API, Python, and JavaScript to render the map

SPECIAL SKILLS

Programming Languages: Java (Expert), Python (Proficient), JavaScript (Proficient), SQL (Proficient), OCaml (Proficient), PHP (Proficient)

Frameworks: React, Node.js, Flask