

# 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
- Linear Algebra
- Functional Programming

## PROFESSIONAL EXPERIENCE

### Jasper Financial

New York, NY

*Full Stack Software Engineer Intern*

June 2020 – August 2020

- Developed a React App that allowed customers to apply for a loan preapproval
- Wrote Node.js and SQL code in AWS Lambda to allow an API to access and edit a DynamoDB SQL database
- Integrated the Alloy API using Python which verified customer's identity by running checks on their information
- Created a Wordpress plugin using PHP that allows a react app to be embedded in the website using a shortcode

### Portatech

Rancho Santa Margarita, CA

*Software Engineer Intern*

June 2019 – August 2019

- Programmed 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 improving SEO 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
- Updated the website to sell new products and determined prices based on the assembly cost per system
- Gave technical support and customer service over the phone in English and Spanish

## ADDITIONAL EXPERIENCE

### Aquaculture Project Team

Ithaca, NY

*Software Engineer*

February 2020– Present

- Develop machine learning models to assess the population health of aquaculture fish tanks through computer vision and audio analysis of the amount of splashing in the tanks
- Wrote Python code that stripped camera footage of the tank into individual frames to train the machine learning model

### ECaFT Tech Subteam

Ithaca, NY

*Software Engineer*

September 2019 – Present

- Built out a front-end interface for a queue management system to reduce lines at the career fair
- Managed Firebase database for the career fair app to be up to date with current employer attendance

### 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 their multimillion dollar budget

## PERSONAL PROJECTS

- Created a stock trading simulation website using Python, SQL, HTML, and CSS, -8/24/20
- Created a website that used the Google Maps API along with Python, JavaScript, SQL, CSS, and HTML to find local news articles and overlay links to them on a map, -8/24/20

## SPECIAL SKILLS

**Programming Languages:** Java (Expert), Python (Proficient), JavaScript (Proficient), C++ (Beginner), SQL (Proficient), HTML (Proficient), OCaml (Proficient), PHP (Proficient)

**Frameworks:** React, Node.js, Flask