

## EDUCATION

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### New York University

Bachelor's in Computer Science

September 2017 - May 2021

GPA: 3.48/4.00

- Relevant coursework: Data Structures and Algorithms, Object-oriented Programming, Discrete Mathematics, Introduction to Computer Science

## WORK EXPERIENCE

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### Adventurably

Lead Software Developer Intern

August 2018 - Present

- Incoming software developer intern for the fall semester working on the mobile app product using the Ionic JavaScript framework
- Implementing a new chat platform and fixing data loading performance issues

### Consolidated Edison

Engineering Aide

June 2016 - Present

- Programmed 32 new SCADA (Supervisory, Control, and Data Acquisition) GUIs that monitor the electrical distribution system in NYC with AutoCAD and SQL queries
- Built a system of Excel files to track on-field staffing during storms; automated a summary sheet for the data with Visual Basic
- Added a crucial estimated completion time feature to multi-stop feeder repairs with Visual Basic; impacted four regional control centers across the company

## SELECTED PROJECTS

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### Ultra Chat

- Leveraged websocket technology to assemble a real-time terminal-based chat app
- Used Node.js and Express.js for the backend to handle websocket connections for multiple users; designed a terminal user interface with the Blessed JavaScript library

### Command Line Flashcards

- Systemized data structures to build a terminal-based Python tool and text parser to allow users to create and study flashcards

### Thermoelectric Battery

- Constructed an Arduino-controlled, thermal-powered portable battery
- Generated 9 volts from a coffee cup to charge a cellphone

### Habit Tracker Heatmap

- Implemented the “don’t break the chain” method of habit-keeping to a web application that displays a heatmap of completed habits in a calendar
- Used D3.js to generate graphics and Go to power the back-end that loads HTML pages

## SKILLS

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Programming Languages:	Python, JavaScript, C/C++, VBA
Technologies:	Node.js, Express.js, MongoDB, Git, L <sup>A</sup> T <sub>E</sub> X, Ionic, Arduino, Microsoft Excel & Access

## AWARDS

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- NYU Computer Science and Engineering Dean's List Fall 2017, Spring 2018
- Ascend Educational Fund (AEF) scholarship recipient May 2017

## ACTIVITIES

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- Cybersecurity Workforce Alliance May 2018 - July 2018
- Treasurer of Brooklyn Tech Physics Club January 2016 - May 2017