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Taylor He

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EDUCATION

Stevens Institute of Technology
B.S. in Computer Science
Minor in Mathematics

May 2019
GPA: 3.70

LANGUAGES

Proficient: Python • C++ • Java • Scheme / Racket
Familiar: HTML • CSS • JavaScript / TypeScript • Erlang

EXPERIENCE

BROADWAY TECHNOLOGY *Software Developer Intern* Jun 2017 - Present

- Overhauled a parser script that formats, corrects, and uploads recruiting data from an API to the TOC, Broadway's database platform, with an aggressive focus on data accuracy.
- Built a service to monitor multiple email inboxes and upload messages to the TOC, with added support for multi-part emails, email threads, and custom filters.
- Created an interactive dashboard to view a list of the emails and their text in real-time using the TOC as a backend database.

LOCKHEED MARTIN *Software Developer Intern* May 2016 - Aug 2016

- Implemented a multi-tabbing feature and various QoL changes to an internal GUI builder tool.
- Debugged and enhanced features in combat readiness systems for battleship equipment.
- Wrote comprehensive JMockit unit tests and conducted large-scale integration and regression tests on live equipment.

STEVENS INST OF TECH *Algorithms Course Assistant* Aug 2017 - Dec 2017

- Led recitations, tutored students, and graded assignments for the Algorithms course.

PROJECTS

MUSIC BY YOU *Python* May 2017

- An emotion-driven music genre selection program using Microsoft's Emotion API.
- Automated website navigation with Selenium and camera capabilities using OpenCV.
- Winner of the Most Marketable prize at DuckHacks 2017.

TCP / IP CHAT SERVER *C • curses* Jan 2017 - May 2017

- A chat server and client that incorporates comprehensive error handling and null checks.
- Built a robust custom string and doubly linked list library to handle output and server client list.
- Implemented arrow and delete key functions, scrolling, and resizing abilities with curses.

STOCK ANALYSIS WEBSITE *Python* Apr 2017

- A text mining webpage that predicts a specific stock's behavior based on the president's tweets.
- Built a custom scraper tool using Selenium to get tweets given any time range.
- Focused on good development practices including agile, test-driven development, pair programming, and consistent coordination between teams.