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# Taylor He

taylorhe.github.io  
github.com/taylorhe  
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## EDUCATION

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

May 2019  
GPA: 3.68

## LANGUAGES

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

## EXPERIENCE

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BROADWAY TECHNOLOGY      *Software Developer Intern*      Jan 2018 - Present

- Developed a Gantt Chart application using React, Bootstrap, and Node.js.
- Added interactive components that update their corresponding database objects on the TOC, Broadway's database platform, when changed.

BROADWAY TECHNOLOGY      *Software Developer Intern*      Jun 2017 - Dec 2017

- Overhauled a parser script that formats and corrects recruiting data from an API to the TOC.
- 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.

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

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

## PROJECTS

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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 CLIENT      *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.