

Jay Han

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Portfolio: jaehoonhan.github.io/

EDUCATION

John Jay College (CUNY), Computer Science and Information Security B.S.

May '21

Major GPA: 3.52

TECHNICAL SKILLS

- **Languages:** Python, Javascript, Swift, *(Familiar with):* C++, SQL
 - **Technologies:** HTML, CSS, Xcode IB, React, MongoDB, macOS, git, *(Familiar with):* MySQL, Flask, Linux, AWS
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PROFESSIONAL EXPERIENCE

JPMorgan Chase | Virtual Software Engineer Intern | Remote

December '20 - Jan '21

- Resolved errors with client data feed Python scripts by making the required adjustments.
- Familiarized with the JPMorgan Chase framework and applied technical skills to handle requests from the firm's trading floor to analyze and visualize data.
- Debugged and modified React trading applications to behave in the expected manner.

Osamil Gastropub | Bartender | NYC

April '20 - July '20

- Compiled a manual for best practices and crafting recipes which was used as a general resource for all bartending staff of 5 with 100% positive feedback.
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PROJECT WORK

Rocketship | *React.js, Express.js, MongoDB, AWS, Plot.ly, Polygon.io*

- Currently collaborating with a team of 4 to develop a stock trading sandbox web application where users can trade with virtual cash and stocks.
- Developed a data history visualization component utilizing Ploy.ly and Polygon.io to graph stock and portfolio data by recent year, month, and day.
- Built a backend using Express.js with a MongoDB database with AWS Cognito for user authorization.
- Coordinated weekly sprints and Asana tasks in accordance with Agile methodology.

Rootify | *Swift, Xcode IB, Parse, AlamofireImages*

- Collaborated with a team of 3 to develop an iOS app that utilizes the Plant.id machine learning API for camera identification and tracks plant maintenance cycles.
- Utilized Xcode Interface Builder for storyboard navigation and data segues.
- Built a Parse database to store user information.

PyNIDS | *Python, socket, struct*

- Developed a local area network intrusion detection system that scans a local network and warns the user of any suspicious IP's or ports, as well as displaying detailed packet info.
 - Utilized socket and struct libraries to manipulate network packet protocols and bytes into workable python objects.
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LEADERSHIP

Computer Science Society | Vice President, Computer Science Mentor

May 2020 - May 2021

- Conducted open room tutoring for students on computer science topics during school community hours.
- Constructed and hosted regular workshops on software engineering concepts, web development, and python to give students real-world applicable cases of their computer science learnings.
- Founded the club's discord server (50+ members) with interactive channels to virtualize students' learning and social environment in distance-learning semesters, leading to a 63% increase in meeting attendance.