

Max Shi

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EDUCATION

Stevens Institute of Technology, *Hoboken, New Jersey*

August 2018 – expected May 2022

Bachelor of Science, Computer Science, Minors in Mathematics and Chemistry

GPA: 3.99/4.00

SKILLS

Programming Languages, Frameworks, and APIs

Javascript, Python, Java, C++, C, HTML, CSS, Node, React, GraphQL, Express.js, Jest, Firebase, Google Cloud Suite, MongoDB

Operating Systems and Software

Windows, Linux (Ubuntu), Visual Studio Code, Webstorm, Pycharm, Git, Github, Jira, Bitbucket, Heroku

Spoken Languages and Soft Skills

English (Native), Mandarin Chinese (Intermediate), Japanese (Intermediate), Teamwork, Flexibility, Problem-Solving

Relevant Coursework

Algorithms, Data Structures, Systems Programming, Linear Algebra, Operating Systems, Programming Languages

WORK EXPERIENCE

Internal Audit Technology Summer Analyst, *Goldman Sachs, New York, NY*

June 2021 – August 2021

- Assessed controls in 5 different systems within the Global Markets FICC technology space
- Led stakeholder and team discussion meetings to communicate findings and remediation plans with effective challenge
- Created materials to uplift the Continuous Monitoring process regarding data presentation and new agile framework
- Diagnosed issues and remediations in 3 systems with code reviews (CR) and developed feedback to streamline CR process

Course Assistant, *CS 115, CS 284, CS 334, CS 385, CS 392, Stevens Inst. of Tech., Hoboken, NJ*

August 2019 – present

- Guided undergrad students through 5 courses of Stevens CS classes: Intro, Data Structures, Algo., Automata, Systems Prog.
- Led office hours, test grading, student-professor communications, test preparation, lectures, and homework help

Software Developer Intern, *TD Ameritrade, Jersey City, NJ*

May 2020 – August 2020

- Practiced test-driven development, dependency injection, clean code working in Node.js using React, Jest, Express
- Created responsive frontend styling, new user interface components, and service connections to backend products
- Programmed in pairs and alone to push 65+ stories and 100+ commits to production codebase over 5 production releases
- Contributed ideas and opinions to daily scrum stand-ups, biweekly planning meetings, and pair programming sessions

PERSONAL PROJECTS

shifts, Web Prog. II Final Project, *Stevens Institute of Technology, Hoboken, NJ*

February 2021 – May 2021

- Developed in team of 4 a stock market social media chat platform to discuss market news and share insight into investments
- Implemented Socket.io, Firebase authentication, React components and design, Recharts, and GraphQL logic on frontend
- Supported backend Worker integration to pass data with Socket.io by developing and implementing messaging protocol
- Configured and deployed monorepo to Heroku in two different frontend/backend apps with hidden credential files

Lighthouse, Web. Prog. I Final Project, *Stevens Institute of Technology, Hoboken, NJ*

August 2020 – December 2020

- Collaborated in team of 4 to create an education-oriented forum web app facilitating student-instructor communication
- Architected ExpressJS endpoints to both serve frontend functionality and Handlebars templates matching design mockups
- Implemented question similarity feature with NLP library to cut down on repeat questions and comments

CA Bot, *Personal Project*

August 2020 – November 2020

- Initiated project to create a Discord bot to manage and organize course office hours while tracking attendance
- Led team of 3 developers with Kanban, focusing on test-driven development and code quality while programming in Node.js
- Deployed project to Google Cloud App Engine for 24-hour availability and Google Firestore for persisting configurations

ACTIVITIES

Clubs and Organizations

Epsilon Pi Upsilon – Vice President, DuckHacks 2020 – Logistics Director, Society of Asian Scientists and Engineers, Stevens Computer Science Club, Chinese Students Association

Awards

Pinnacle Scholar Program, Stevens; Presidential Scholarship, Stevens; 6-time Dean's List, Stevens; Here.com API Prize, HackPrinceton; Google Cloud Project Prize, HackRU

Available for part-time work August 2021 – May 2022, full-time work May 2022

U.S. Citizen