Steven Ye

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EDUCATION

Boston University
Master of Science in Software Development   Aug 2022 - May 2024(Expected)
Columbia University
Master of Science in Risk Management   Sep 2021 - Dec 2022
Pennsylvania State University
Bachelor of Science in Economics   Aug 2017 - Aug 2021
Relevant Coursework: *Data Structure&Algorithm, Software Design & Pattern, Web App Development, Server Web Development, Database Design&Implementation, Software Engineering*

SKILLS

Languages: Python, Javascript, Typescript, HTML, CSS, SQL, Java, Go, C++
Technicals: React, Next, Node.js, MongoDB, Postgres SQL, MySQL, Express.js, TailwindCss, AWS, GCP, Docker, GitHub, Jira, Figma

EXPERIENCE

Software Engineer Intern - *GAO Tek, New York, NY*   May 2023 - Aug 2023
- Integrated 8 new web pages into the company's website using **HTML**, **CSS**, and **Javascript** with **backward** and **forward compatibility** while ensuring optimal search engine optimization practices
- Collaborated with 4 teammates to refactor existing **HTML** code, aligning it with industry standards and implementing SEO best practices to improve search engine ranking by average of 25%
- Implemented server-side logic by **Node.js** for **SQL** connection, enhancing overall website functionality by enabling efficient inventory data storage, retrieval, and manipulation on a medium size database with 1000+ inventory items

Software Engineer Intern - *Meta-Securities, New York, NY*   Jun 2022 - Aug 2022
- Developed a dynamic widget using **React.js** for "Recently Added" cryptocurrency in an interactive web application, providing more intuitive information on UI for 200+ users
- Built a **RESTful API** which delivered recent prices of certain cryptocurrencies from **MongoDB** database, integrating with existing plotting functionality to visualize the results
- Implemented a swap function in **JavaScript** enabling users to exchange cryptocurrencies with **async/sync** functions based on computing and data retrieval performance, increased 15% of daily active users
- Worked closely with team members utilizing **Git/GitHub** for version control, code review, and **CI/CD** for software delivery, adhering to Agile development principles for efficient team development process

PROJECTS

Focus On Programming - *Chrome Extension (Javascript)*   Chrome Extension
- Developed a Chrome extension using **Javascript** to enhance programmers' productivity by ensuring access only to coding-related websites and Google-searched sites, showing a 33% increase in number of tasks completed from real users' testing
- Resolved the limitations given by the discrepancies between dev and prod environments of the application framework by introducing advanced pop up widgets and handlers

Car Rental App - *(Typescript, Javascript, Next.js, Node.js, MongoDB)*   Car Rental App
- Developed a full-stack car rental web application using **Typescript** and **Next.js**, featuring key functionalities such as user authentication and inventory management, achieved 100% statement, branch and path coverage

AI Image Generator - *(React.js, TailwindCss, Node.js, Express.js, MongoDB)*   Website
- Developed a full-stack web application that allows users to browse through a collection of images generated through the use of natural language prompts; utilized **React.js** for the front-end user interface, **Express.js** for server-side routing and middleware, **Node.js** for server-side JavaScript runtime environment, and **MongoDB** for database management