

# Chenghao Ye

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New York, NY

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## EDUCATION

### Boston University

*Master of Science in Software Development*

Aug 2022 - May 2024(Expected)

### Columbia University

*Master of Science in Enterprise Risk Management*

Sep 2021 - Dec 2022

### Pennsylvania State University

*Bachelor of Science in Economics*

Aug 2017 - Aug 2021

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern - GAO Tek Inc. New York, NY

May 2023 - Aug 2023

- Integrated 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 team to refactor existing **HTML** code, aligning it with industry standards and implementing SEO best practices to enhance website accessibility and improve search engine ranking
- Implemented server-side logic by **Node.js** for **SQL** connection, enabling efficient data storage, retrieval, and manipulation, and enhancing overall application functionality

### Software Engineer Intern - Meta-Securities US LTD, 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 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 number 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 Web Store](#)

- Developed a Chrome extension using **Javascript** to enhance programmers' productivity by ensuring access only to coding-related websites and Google-searched sites
- Conducted experiment from real users' experience, showing a 33% increase in number of tasks completed during a fixed period of time
- Introduced advanced pop up widgets and handlers, resolving the limitations given by the discrepancies between dev and prod environments of the application framework

### 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
- Evaluated pros and cons of Server Side Rendering and Client Side Rendering in determining architecture and implementation design

### AI-Image-Generator - (Vite.js, React.js, TailwindCss, Node.js, Express.js, MongoDB)

<https://visuallyestudio.com/>

- Developed a full-stack web application that allows users to browse through a collection of imaginative and visually stunning 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

## SKILLS

**Language:** Python, Javascript, Typescript, Java, HTML, CSS, SQL

**Technical:** React.JS, Next.js, Node.js, MongoDB, Mongoose, Express.js, TailwindCss, Vite, AWS, GCP, GitHub, Docker

**Certificates:** Fundamentals of Software Engineering Certificate by Carnegie Mellon University