

Matthew Chan

Brooklyn, NY | (518) 316-2704 | matthewhongkong20@gmail.com

[LinkedIn](#) | [GitHub](#)

Experience

Eyre Writing Center | Saratoga Springs, New York

May 2023 – Dec 2023

Technical Intern

Harvard alumni-backed EdTech startup scaling the writer-editor relationship for hundreds of asynchronous students.

- Acted as liaison between CEO and MVP developer to wireframe and implement new Stripe integration and onboarding process.
- Saved 10 hours of manual data entry per week by automating procedures and integrating all company data in company CRM, observing API security practices.
- Onboarded 200 students to MVP, taking ownership of onboarding for company's first B2B contract with Brooklyn Tech, the largest high school in the US.
- Improved visibility and reach on key metrics by introducing analytics, SEO, and i18n for online presence. Redesigned and implemented new storefront website. Worked with marketing staff for copy and i18n.
- Formalized and streamlined student and staff onboarding process by defining SOPs and other documentation for MVP.

3 Hong Kong (Hutchison Telecommunications) | Hong Kong

July 2020 – August 2020

Junior Associate Software Engineer Internship - Digital Transformation Team

- Improved DX and testing efficiency by designing and implementing an automated, programmable testing suite using Node.js, Playwright, and Socket.IO.
- Saved 3 hours of QA time per week QA team by accelerating certain testing procedures by 10x.
- Maintained codebase of mobile-first storefront frontend, implemented in React and wrapped in Cordova.

Education

Skidmore College | Saratoga Springs, New York

September 2018 – May 2023

B.A. in Computer Science, minor in English (Creative Writing)

Leadership and Activities

Skidmore Computer Science Club | Saratoga Springs, New York

September 2022 – May 2023

Vice President/Co-founder

- Co-founded CS club with a focus on community outreach and improving departmental spirit.
- Introduced students to industry practices by adapting and delivering lectures on version control systems and development environment setup (Git, debugging).
- Started club Discord server with a 90% participation rate from current Skidmore CS majors.
- Brought Skidmore alumni from Google, Stripe, and Adona Medical to host talks by working with board.
- Organized and attended bootcamps focusing on CI/CD, interview preparation, and SDLC.

Projects

Administrating VM.Standard.A1.Flex instance on Oracle Cloud

May 2023 – Present

Administrated ARM-based Linux VPS on Oracle Cloud for various applications.

- Implemented DDoS protection, HSTS, and renewing SSL wildcard certificates for Nginx web server.
- Used Ansible to host a Dockerized instance of Lemmy, a FOSS discussion forum on the ActivityPub protocol.
- Configured Dockerized Minecraft server with an online 3D map (mc.maatwo.com/maps) using three.js and Vue.js.
- Configured automated offsite backups using Rclone.

Checkers board game with AI players

January 2023 – May 2023

Wrote a board game that can be played by the player and two AI players, in any combination of the three.

- Designed and implemented a version of checkers with all rules supported in Java, without the use of third-party libraries.
- Implemented Alpha-Beta adversarial search algorithm.
- Designed and implemented Q-learning player (and associated reward function).

Skills

Programming Languages: Java, JavaScript ES6, Python, C, SQL, Ada, ARMv8 Assembly, Bash

Web Technologies: HTML, CSS, Node.js, Playwright, Jest, Nginx, certbot, Caddy, React, SASS, Oracle Cloud

Tools: Unix Shells, Vim, Git, Docker, Docker Compose, VS Code, IntelliJ IDEA, MariaDB (fork of MySQL)

Languages: English (native), French (conversational), Cantonese (conversational)

Other: Scrum, Agile methodologies