

Matthew Chan

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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 centralizing company data in company CRM.
- 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. Provided technical support for both B2B and B2C customers on Windows, Mac, Chromebook, and iOS platforms.
- 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.
- Administrated and troubleshooted company Zoom and Google Workspace instances.
- 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) — 3.64 GPA

Projects

Web Application: The Finals LFG (thefinalslfg.vercel.app, [GitHub](#))

February 2024 – March 2024

Acted as **technical lead** in a three-person team to deploy a web application using React Server Components (RSCs) on **Next.js 13**, **Tailwind CSS**

- Designed initial mockup as single source of truth using Figma, inspired by the original game's UI. Created database schema (SQL).
- Configured and deployed initial skeleton project, onboarded team, delegated work, resolved merge conflicts and other issues.
- Implemented OAuth two-click Discord authentication, state management that works in RSCs.
- Implemented CI/CD pipeline for GitHub repo, ticket tracking using Linear, and conducted regular code reviews with the team.

Cloud Administration: Game server and website on Oracle Cloud (mc.maatto.com/maps)

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 configure a Dockerized instance of Lemmy, a FOSS discussion forum on the ActivityPub protocol.
- Configured Dockerized Minecraft server with an online 3D map (mc.maatto.com/maps) using three.js and Vue.js.
- Configured automated offsite backups using Rclone.

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.

Skills

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

Web Technologies: HTML, CSS, Node.js, Playwright, Jest, Nginx, Next.js, Caddy, React, SASS, Cloudflare Workers, Tailwind CSS, React Query, Redux, Astro

Tools: Unix Shells, Vim, Git, Docker, Docker Compose, VS Code, IntelliJ IDEA, MariaDB (fork of MySQL), PostgreSQL, Jira, Linear, Google Workspaces, Monday.com, Oracle Cloud

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

Other: Scrum, Agile methodologies, Windows, Mac OS, Linux