

Michael Cole

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WORK EXPERIENCE

Software Engineer

Mar. 2025 – Apr. 2025

10x

Remote

- Managed all in app static content generation and rendering
- Built content generation pipeline in Python and utilized structured outputs
- Engineered prompts to models like o1 to best output content that helped users learn new things efficiently
- Wrote SwiftUI code to display said static content in ways that were engaging to users
- Fixed security concerns after a bad actor found an endpoint a developer left exposed

Founder

Aug. 2024 – Feb. 2025

gist-quiz.com

San Francisco, CA

- Solo-founded an edtech platform with the goal of helping teachers grade more efficiently
- Built out this platform with features like essay grading, quiz taking, and instant feedback on qualitative questions
- Adapted the product to fit users' needs (the main challenge here was building trust in AI amongst educators)

Software Engineering Intern

Jul. 2024 – Sep. 2024

[LookBk.com](https://lookbk.com)

San Francisco, CA

- Built REST APIs that were deployable at scale
- Utilized libraries like puppeteer and microservices like Browserbase
- Wrote web scrapers capable of scraping any fashion website you can think of (200+)
- Worked 60-70 hrs a week in downtown San Francisco

EDUCATION

St. Ignatius College Preparatory

Aug. 2022 - May 2026

High School Diploma

San Francisco, CA

Georgetown School of Continuing Studies

Jun. 2023 – Jul. 2023

Business and Finance Pre-College Program

Washington D.C.

SCHOOL EXTRACURRICULARS

FIRST Robotics | *Java, Solidworks, Design-Thinking, Leadership*

Jul. 2022 – Present

- Led the team responsible for developing a Computer Vision subsystem for our 2024 robot, capable of predicting trajectories of projectiles
- Manage a team of 40+ scouts at all competitions that collect data on a platform I have built for analytical decisions when drafting other teams for playoffs
- Developed autonomous route planning that adapted to nearby robots' positioning
- Taught multiple inexperienced now programmers Java from scratch

Swim/Water Polo | *100 Butterfly, 200 I.M., Wing, Communication, Leadership*

Aug. 2022 - Present

- Played at the varsity level in both sports
- Qualified for CCS (CIF Central Coast Section) in swimming
- Built valuable friendships on a foundation of shared work ethic with teammates

SKILLS

Languages | JavaScript/TypeScript, Python, Java, SwiftUI

Frameworks | React, Next.js, Node.js, Flask, FastAPI, Express, Jest/Vitest, React Native, Expo

Developer Tools | git, GitHub Actions, VS Code, curl, Figma, Posthog

Platforms | Vercel, Railway, Digital Ocean, EAS

Libraries | shadcn, Puppeteer, Tailwind CSS, Pandas, NumPy, WPILib

“Soft” Skills | Leadership, Communication, Project Management, Design Thinking, Work Ethic