

Tyler Vergho

Cupertino, CA • (408) 499-0354 • tvergho@gmail.com • linkedin.com/in/tyler-vergho • tvergho.me • github.com/tvergho

WORK EXPERIENCE

Amazon

Software Engineering Intern

Seattle, WA

June 2022 – Present

Intern on the AWS DynamoDB Streams team.

- Developing a system in Python to automate load balancer weight management for network application traffic, reducing cumulative team developer time expenditure by ~5/days each month.
- Collaborating with mentors and senior engineers to build, test, and deploy infrastructure changes to production AWS pipelines that handle >10 million requests/second.

Canopy

Software Engineering Intern

San Francisco, CA

April 2022 – June 2022

Intern in the San Francisco office of a startup (Series A) developing SPV co-investment management software. Worked alongside senior engineers to ship production-ready frontend/backend code with React, Redux, TypeScript, and NestJS.

- Developed a manual ACH transfer feature and revamped integration with Plaid and Modern Treasury APIs to simplify user experience on >\$1 million in payment flows/month.
- Engineered a new frontend customer onboarding form in collaboration with the legal team for the launch of a VC funds product.
- Streamlined package dependencies to cut bundle size and reduce First Contentful Paint load time by ~30%.

Dartmouth DALI Lab

Senior Software Engineer

Hanover, NH

August 2020 – Present

Software Engineering Lead

April 2021 – April 2022

Collaborate in teams of 5-6 student developers and designers over a 10-week term to develop technology projects for start-ups, entrepreneurs, and researchers within an on-campus incubator at Dartmouth.

- Developed a Ruby on Rails sexual violence prevention course management platform in collaboration with Dartmouth over 9 months, to be piloted with 4,000+ students this fall.
- Oversaw 40+ developers in the lab, facilitated weekly workshops and meetings, organized mentorship and onboarding programs, and expanded code documentation and technical resources as software development lead (one-year term).
- Spearheaded the development of an anti-phishing contest platform (GoPhish) managing 1,800+ participants and \$10,000 in prizes for Dartmouth faculty and students. Mentored a team of 3 developers on a full-stack React Native live game show application integrating in-app payment processing, video streaming, and Firebase, PayPal, and AWS APIs.

Edia

Software Engineering Intern

San Jose, CA

March 2021 – July 2021

Engineered content, user-facing features, and internal tooling with React and Node.js for a platform designed to make K-12 math practice accessible and simple for teachers.

- Built 50+ custom practice problem generators with JavaScript math libraries used by hundreds of active users weekly.
- Implemented custom internal tooling decreasing initial load times on the content development environment by >50%.

Trout Insights

Software Engineer (Freelance)

Minneapolis, MN

December 2020 – Present

Developed and maintain a React.js full-stack web application supporting extensive custom functionality, including Firebase authentication and storage, custom mapping layers with Mapbox.js, and third-party API integration like Stripe and MailChimp.

EDUCATION

Dartmouth College, Hanover, NH

Bachelor of Arts – Computer Science

GPA: 3.86/4.00

June 2023

Relevant Coursework: Full-Stack Web Development, Smartphone Programming, Discrete Mathematics, Software Design & Implementation, Algorithms, Computer Architecture, Machine Learning & Statistical Analysis, Artificial Intelligence

Full-Stack Web Development, Teaching Assistant

June 2020 – June 2021

SKILLS & INTERESTS

Technical: HTML, CSS, Sass, JavaScript, TypeScript, Express.js, Node.js, React/React Native, Python, Ruby on Rails, Docker

Awards: Winner of the 2021 & 2022 National Debate Tournaments and Rex Copeland Award for intercollegiate debate