

# VUONG HO

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## Education

### University of Rochester

*MS in Computer Science*

**Expected Dec 2025**

*Incoming*

### University of Rochester

*BS in Computer Science, BS in Applied Mathematics, Operations Research Certificate*

**May 2024**

*GPA: 3.79/4.00*

### CodePath

*Advanced Software Engineering Certificate*

**May – Aug 2022**

*Remote*

## Technical Skills

**Languages:** Python, Java, JavaScript, Typescript, Flutter, Kotlin, HTML/CSS, SQL

**Developer Tools:** VS Code, Git, ChatGPT, Github Actions, Android Studio, SonarCloud, Elasticsearch, Bash

**Frameworks:** Gradle, Node.js, MongoDB, AWS, Google Cloud Platform, React.js, Jest, JavaCC, Linux, Docker

**Collaborative Methodologies:** Agile, Scrum, DevOps, Test-Driven Development, Slack, Github Projects, Jira

## Experience

### Meta & Major League Hacking

**Jun 2024 – Present**

*Site Reliability Engineering Fellow*

*Rochester, NY*

- Chosen as one of the top 2% out of 2,500 applicants for the elite Meta & MLH Production Engineering Fellowship.
- Develop a Flask project from scratch and deploy it on cloud servers with Nginx reverse proxy and SSL certificates.
- Leverage GitHub Actions for CI/CD, test-driven development, and Docker to achieve 90% faster deployment times.

### Vietnam Tech Society

**Jun 2022 – Jan 2023**

*Software Engineer Intern*

*Rochester, NY*

- Delivered a robust TypeScript and Firebase project that enables users to configure and filter appointment availability.
- Deployed the "Filter by Availability" feature with 100% test coverage, resulting in a 90% improvement in usability.
- Reduced server cost by 25% by optimizing backend Firebase functions to operate dynamically rather than periodically.

### Google Summer of Code 2021

**May – Aug 2021**

*Software Engineer Intern*

*Rochester, NY*

- Engineered a key feature for OpenStreetMap's Vespucci Android app that efficiently evaluate user input opening hours.
- Implemented an evaluator that processes opening hours of 140,000+ locations with Java, Gradle, and Github Actions.
- Supported a grammar system of 80+ rules, expanding coverage from 10% to approximately 100% of the specification.

### University of Rochester

**Sep 2021 – May 2024**

*Teaching Assistant*

*Rochester, NY*

- Courses: Artificial Intelligence, Computation & Formal System, Programming Language Design, Discrete Mathematics.
- Facilitated weekly study sessions for 30 students, focusing on advanced computer science and mathematics concepts.

## Technical Projects

### SwipeAndFly | *hyper-personalized trip planning with TikTok videos*

**Jun – Aug 2024**

- Led a team of 5 developers to create a hyper-personalized trip planning platform tailored to users' travel TikTok videos.
- Architected and deployed a scalable AWS microservices backend with a Vite frontend, achieving 99.9% uptime and global deployment on Firebase, 40% faster load times, supported by a Github Actions CI/CD pipeline with 90% test coverage.
- Received 150+ likes and votes, the most liked project out of 219 teams, in the TikTok TechJam 2024 hackathon.

### EduVision | *eye-tracking powered classroom assistance system*

**Mar – May 2024**

- Led a team of 3 in developing a classroom assistance system that utilizes real-time eye-tracking to detect possible confusing topics using students' gaze heatmap and provide classroom statistics to assist instructors with their teaching.
- Won Best Education Award out of 43 teams at YHack 2024 hackathon hosted at Yale University.

## Awards

**YHack 2024 Hackathon at Yale University** — *Best Education Award*

**Mar 2024**

**DandyHacks'23 Hackathon at University of Rochester** — *Most Dandy Hack Award*

**Nov 2023**

**ICPC Northeast North America Regional Contest 2023** — Rank 36/93

**Oct 2023**

**ICPC Northeast North America Regional Contest 2022** — Rank 15/84 — Bronze Medal

**Feb 2023**