

# Rohan Nagavardhan

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## EDUCATION

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### University of Michigan

BSE in Computer Science; GPA: 3.7/4.0

August 2020 – May 2024

Ann Arbor, MI

- **Courses:** Data Structures and Algorithms, Computer Organization, Database Management, Discrete Math, Parallel Programming w/ GPUs, Computer Security, Operating Systems, Mobile App Development

## PROGRAMMING SKILLS

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- **Languages:** Python, C++, Go, Javascript, Typescript, C#, HTML5, CSS3, SQL, Qt Framework
- **Frameworks:** TailwindCSS, Flask, Node.js, Gin, React, Next.js, ASP .NET Core, Flutter, React Native
- **Tools:** Git, VSCode, Pycharm, CLion, Makefile, Docker, Jira, Cron
- **Database:** PostgreSQL, SQLite, MySQL (PlanetScale), TimescaleDB
- **Cloud Platforms:** Heroku, Netlify, AWS, Google Cloud Platform, Firebase, Airplane, Grafana

## WORK EXPERIENCE

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### Stripe

Incoming Software Engineer

February 2023 – Present

Seattle, WA

### Arc Boat Company (EV)

Software Engineering Intern

May 2023 – August 2023

Los Angeles, CA

- Designed and implemented a continuous data aggregation system in Typescript with Node.js and PostgreSQL to analyze weekly customer boat outing data in addition to 6+ months of historical data.
- Reimplemented the touchscreen's fault handling system in Python to display hardware-related issues 2X more reliably.
- Implemented a boat touchscreen feature in Qt Framework (QML) to alert customers when the throttle was out of position during high voltage operation mitigating boat dead-in-the-water scenarios.
- Built a tool to convert DBC schema to CAN signals using Javascript integrated with Google Sheets to accelerate software issue turnaround time by 20%.
- Collaborated with Test Engineering team in 2+ boat outings to qualify software release candidates and conducted software checks before customer boat deliveries.

### Comcast (Effectv)

Software Engineering Intern

May 2022 – August 2022

Philadelphia, PA (Virtual)

- Worked on the modernization of Comcast's Enterprise TV Ad Scheduling and Verification platform. using AWS Cloud services, Docker, and Go used by 300+ users in Ad Operations and Sales teams.
- Integrated AWS SAM CLI to locally test ESVP Lambda containers which decreased regression bugs in production by 10%.
- Reimplemented file upload feature to utilize AWS S3 for files with 10+ MB of data and improved performance of data exports by enhancing JSON-to-CSV serialization.
- Built a tool using Go to inject live reload functionality in both containerized and non-containerized Go applications for 5 junior/senior engineers and was presented to Effectv Engineering leadership ([GitHub](#)).
- Designed and built a dashboard application in C# ASP.NET to easily monitor the status of data imports to increase Operations team efficiency by 25%.
- Built and launched a Slack app to query all open pull requests across code repositories and send a message to the engineering team to review them.

## PROJECTS

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### logit ([logit-xyz.netlify.app](#))

Side Project

May 2022 – Present

New York, NY

- Utilized Next.js, Gin web framework and Fitbit API to parse online recipes and import their nutritional information into the Fitbit mobile/web application.
- Generated 275+ unique page visits and received ~60 upvotes on r/fitbit within the first month of launch.

## ACTIVITIES

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### University of Michigan Science Olympiad

September 2021 – Present

- Wrote and supervised a wave & optics exam for 50+ students at the UofM 2022 Science Olympiad tournament.

### V1 – Entrepreneurship Community

January 2021 – Present

- Led the logistics for V1 Startup Fair, the largest student-run startup career fair for over 400+ applicants at UofM.