

## WORK EXPERIENCE

### Technical Marketing Intern, Pump (YC S22)

Aug 2025 - Present

- Leading marketing team to grow Pump's inbound sales for their AWS cost optimization program

### Software Engineering Intern, Rocketlab

May 2025 - Aug 2025

- Replaced manual solar panel validation process with Python based simulation, achieving large speedup through 16-way parallel processing on Kubernetes with RabbitMQ/KEDA auto-scaling
- Improved loadtime of critical factory visualizations by 192x through optimizing PostgreSQL queries
- Unified priority lot tracking with factory visualization, improving visibility of high-value products
- Built terminal-based Jira interface, increasing ticket throughput and improving managerial visibility

### Founder, Brainrot dot mov

Feb 2025 - Present

- Developed distributed video generation platform using React, TypeScript and AWS Lambda, enabling users to create viral short-form content with AI Voices
- Proved product-market fit by growing my @aws\_peter account to 70k+ followers and 4.7M+ views across Instagram, TikTok and YouTube, producing technical tutorials on Docker, AWS, MCP and AI Agents
- Launched as SaaS product enabling 1500+ creators to generate 25M+ views and 200k+ followers, with thousands in revenue

### Engineering Manager, Georgia Tech Bits of Good

Jan 2025 - Present

- Leading team of 5 developers to create application to encourage children to take their medicine
- Created internal CLI based on shadcn/ui for easy access to design system for all Bits of Good projects

### Co-Founder, Unstoppable Asset

Jul 2023 - Present

- Leading product development for a mission driven fintech startup selected for Create-X S'25 Batch

### Intern, NewGen Business Solutions

May 2023 - Aug 2023

- Developed a testing framework for critical application during migration from Create-React-App to Vite

## EDUCATION

### Georgia Institute of Technology

Aug 2024 - May 2027

Candidate: B.S. in Computer Science with concentrations in Information Networks and System Architecture

- **Courses:** Database Systems, Computer Organization, Systems and Networks, Data Structures & Algorithms, Design & Analysis of Algorithms

## PROJECTS

### Brophy Attendance

rgodha.com/attendance

- Created and integrated a Raspberry Pi-based barcode scanner in Rust, an AWS Lambda & DynamoDB based backend in Typescript, and a realtime web dashboard using technology like SST and React
- Built an attendance system in use at Brophy College Prep based on scanning barcodes on student ids

### AlphaSnake

rgodha.com/alphasnake

- Trained a custom neural network using a genetic algorithm across 96 CPU cores on Google Cloud
- Optimized a game engine using techniques like increasing cache locality, bitmasks, and SIMD
- Achieved 5th place by ELO in the Georgia Tech Bytefight competition, sponsored by Google

### EcoFlare

rgodha.com/ecoflare

- Created a frontend where users can upload drone images of forest canopies to be analyzed on AWS
- Deployed and trained a custom Tensorflow model to AWS ECS using Docker, Rust, and ONNX Runtime

## SKILLS

- **Programming Languages:** Typescript, Rust, Go, Nix, Python, HTML/CSS/Javascript

- **Frameworks & Technologies:** Svelte/Sveltekit, React, Next.js, Tanstack Start, Tailwind CSS, AWS, Infrastructure as Code (IaC), Docker