

EXPERIENCE

Rocketlab, Web Software Intern

May 2025 – Aug 2025

- Incoming intern in Rocket Lab's Albuquerque office starting in May 2025!

NewGen Business Solutions, Software Engineering Intern

May 2023 – Aug 2023

- Modernized Oracle's SuiteCloud Extension testing framework by migrating outdated Jest version to Vitest
- Created tests for 80% of all API endpoints in ConventionSuite, NewGen's primary product, increasing confidence in their ongoing rewrite from Create-React-App to Vite
- Led effort to modernize target client database, increasing conversion rate on email marketing campaigns

EDUCATION

Georgia Institute of Technology, College of Computing

Aug 2024 – May 2027

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

- **Courses:** Data Structures & Algorithms, Linear Algebra, Objects and Design, Computer Organization
- **Activities:** GT Bits of Good, dependently-typed, Competitive Programming

PROJECTS

Brainrot.mov

rgodha.com/brainrot

- Grew an educational developer focused account (@aws_peter) to 50k+ followers, 3.3M+ views, and 1.2M unique viewers by teaching concepts like Docker, Kubernetes, AWS Lambda, and Infrastructure as Code
- Enabled 100+ users, with 5+ paying users, to generate 400+ videos with multiple reaching 500k+ views.
- Created a React app for generating short form videos using AI voices and custom images, deployed to AWS

Brophy Attendance

rgodha.com/attendance

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

AlphaSnake

rgodha.com/alphasnake

- Trained a custom neural network using a genetic algorithm across 96 parallel 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

ACTIVITIES

Georgia Tech Bits of Good, Developer

Jan 2025 – Present

- Implemented a new design system directly from Figma using React, Radix UI, TailwindCSS and Next.js
- Created an internal CLI tool based on shadcn/ui for easy access to design system for all Bits of Good projects

Broncobotics, Head of Technology

Aug 2020 – May 2024

- Led team to second place finish in the Las Vegas FRC Regional in 2022 as programmer and strategist
- Spearheaded 20 student team creating and coding a robot in 6 weeks for the FIRST Robotics Competition

SKILLS

- **Languages:** English (Native speaker), Hindi (Conversational), Spanish (Basic proficiency)
- **Programming Languages:** Javascript/Typescript, Rust, Python, Java, Go, Nix
- **Frameworks & Technologies:** React, Next.js, Node.js, Svelte, Tailwind CSS, AWS, IAC, Docker, Pulumi