Isaiah Gamble

704-804-1261 | itg.2048@gmail.com | linkedin.com/in/igamble | More at: igamble.dev

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science - GPA 3.6/4.0

Graduating May 2026

- Concentrating in Embedded Devices & Systems and Architecture
- Coursework: Computer Organization, Data Structures & Algorithms, Object-Oriented Programming

EXPERIENCE

Software Engineer Intern: Product

Jun. 2024 - Aug. 2024

New York City, NY

MongoDB

- TBD
- TBD
- TBD

Software Engineer Intern

Jun. 2023 - Present

Fort Mill, SC / Remote

Secure Process Intelligence

- Created two internal tools with *Rust*, *React.js*, and *TypeScript* which increased productivity by reverse engineering proprietary solutions for our workflow
- Programmed a microcontroller, using C and Rust, which uses Modbus to extract data from a monitoring device

Freelance Software Developer

Dec. 2021 - Jul. 2022

Self-Employed

Remote

- Architected and implemented full-stack web applications using Node.js, React.js, Docker, and AWS
- Created a web application for a trucking company using *React.js*, *Next.js*, *Nest.js*, and *Nginx*. It was used to store information for thousands of loads and was used to make over \$1 million in revenue

Projects

Genius Dashboard | React, TypeScript Rust, Pub/Sub

- Solved flaws in an existing robot dashboard application while improving user experience and performance
- Improved memory usage by 50% and CPU usage by 70% over the old dashboard
- Designed a free-form drag-and-drop interface for creating custom user dashboards

Robotics Scouting | React, TypeScript, Next.js, MongoDB

- Used to collect data from matches at robotics competitions. Implements authentication and data analysis tools
- Enabled our team to make informed, data-driven decisions during competitions

ESP Spotify Display | Embedded, Rust

- Created an embedded project that shows what I'm listening to on Spotify through an AWS Lambda function
- Uses the SPI peripheral to communicate with the screen
- Uses FreeRTOS's tasks/threads to achieve non-blocking updates to UI

Oxide | Linux, Docker, Rust, Embedded

- Developed a custom frontend for a Nintendo GameBoy emulator
- Optimized sleep mode & fast start-up
- Streamlined *UX* for ease of use
- Interacts with low-level Linux APIs such as ioctl and /dev

Additional Experience and Awards

Provost Scholarship: A highly prestigious merit scholarship awarded to 60 out-of-state students, from a pool of thousands.

Hacklytics 2024: Placed 2nd in the sports track and 3rd in the healthcare track, against 200 other submissions

TECHNICAL SKILLS

Languages: TypeScript, HTML, CSS, Java, C, Rust, SQL, Python

Frameworks: React, Node.js, Next.js, JUnit, Material-UI

Developer Tools: Linux, Git, Docker, Amazon Web Services, Google Cloud Platform, VS Code, IntelliJ