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 3.82/4.0   *Graduating May 2026*
- Concentrating in *Embedded Devices* & *Systems and Architecture*

EXPERIENCE

MongoDB   Jun. 2024 - Aug. 2024
Software Engineer Intern: Product   *New York City, NY*
- Will be working with the Billing and Payments Team under Atlas Core Engineering

Secure Process Intelligence   Jun. 2023 - Present
Software Engineer Intern   *Fort Mill, SC / Remote*
- 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
- Interfaced with a 4G LTE modem over UART to send collected data to a dashbaord for customer viewing

Self-Employed   Dec. 2021 - Jul. 2022
Freelance Software Developer   *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*, *Nginx*, and *PostgreSQL*. Stored information for thousands of complex loads and is critical to their operations

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*
- Created a webapp to collect data from matches at robotics competitions. Has auth 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
- Streamlined *UX* for ease of use with optimized sleep mode & fast start-up
- 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
Club Founder: Founded Students Organizing for the Adoption of Rust at Georgia Tech
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, Bash
Frameworks: React, Node.js, Next.js, Nest.js, PostgreSQL, MongoDB, JUnit, Material-UI, ESP-IDF, FreeRTOS
Developer Tools: Linux, Git, GitHub, Docker, AWS, Google Cloud Platform, VS Code, IntelliJ, Agile