Isaiah Gamble

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EDUCATION

Georgia Institute of Technology <div align="right">Atlanta, GA</div>
Bachelor of Science in Computer Science - GPA 3.6/4.0 <div align="right">*Graduating May 2026*</div>
- Concerntrating in *Embedded Devices & Systems and Architecture*
- Coursework: Computer Organization, Data Structures & Algorithms, Object-Oriented Programming

EXPERIENCE

Software Engineer Intern: Product <div align="right">Jun. 2024 - Aug. 2024</div>
MongoDB <div align="right">*New York City, NY*</div>
- TBD
- TBD
- TBD

Software Engineer Intern <div align="right">Jun. 2023 - Present</div>
Secure Process Intelligence <div align="right">*Fort Mill, SC / Remote*</div>
- 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 <div align="right">Dec. 2021 - Jul. 2022</div>
Self-Employed <div align="right">*Remote*</div>
- 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