

# Joshua Epee

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## Education

### Rochester Institute of Technology

Expected May 2030

Bachelor & Master of Science, Computer Engineering

**Technical Skills:** Firmware Development, Software Development, Web Development, System Administration, Project Management, Excel, Docker, Linux, Kubernetes, Git, LaTeX, Quartus, ModelSim, Altium

**Extracurriculars:** Formula SAE, Engineering House (President), Sigma Chi Fraternity

**Honors:** Amazon Future Engineer Scholar, RIT Founders Scholar, DC State Technology Student Association President

**Coursework:** Digital Systems Design, Computer Science I and II

## Experience

### Software Development Engineering Intern

May 2026 – Aug 2026

*Amazon Web Services*

- Investigated increased latency and false authorization occurrences within support authorization architecture
- Designed an distributed anti-entropy service running within Elastic Compute Cloud instances responsible for resolving invalid authorization paths & pruning excessive Neptune graph growth
- Deployed project to production ahead of schedule, decreased service latency by an estimated 34.8% on a region-critical service

### Software Engineering Intern

November 2024 – September 2025

*Kinetix ML*

- Developed an automated API benchmarking tool using Python and Firebase to collect performance telemetry, enabling early detection of issues and improved system reliability for enterprise customers
- Used custom benchmarking tools to identify and resolve a memory leak in machine vision software, optimizing code to boost processing speed and reduce cloud resource consumption
- Redesigned and rebuilt a customer dashboard in TypeScript (Svelte), optimizing performance and responsiveness to deliver a smoother user experience

### Software Engineering Intern

June 2024 – August 2024

*Verizon Cellular*

- Identified workflow and technical inefficiencies affecting technicians, specifically those on unfamiliar worksites
- Developed a web interface using PHP, MySQL, JavaScript, and HTML to provide Verizon field technicians with access to tool information and worksite specifications

### Summer Research Intern

June 2023 – August 2023

*Samsung, Onramps to Careers Cohort*

- Researched OSHA requirements for safe working conditions related to heat exposure over long working periods
- Created presentation packages for possible customers and presented findings to relevant stakeholders

## Projects

### Electronics Subteam Member

January 2025 – Present

*RIT Formula SAE*

- Wrote firmware for the Power Distribution Unit of the car's Low Voltage Power System, completing the car's boot sequence, managing SPI and CAN communication with other boards, and handling safety interrupts
- Designed, constructed, and mounted a low voltage harness for a decommissioned combustion vehicle, resulting in its first successful drive in two years
- Created a telemetry streaming protocol allowing the team to collect and analyze data more efficiently

### Founder and Tech Team Lead

May 2022 – May 2023

*Valorant Draft Circuit*

- Designed and developed infrastructure that processed hundreds of players' data and calculated statistics in real time
- Developed internal tooling in C, Python, Java, and TypeScript to automate tasks for other subteams and run league operations
- Managed a growing team of developers to maintain several ongoing projects and ensure the organization ran smoothly