

Cameron Estes

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EDUCATION

University of Minnesota, Twin Cities

Bachelor of Science in Computer Science

Minneapolis, MN

Graduated Dec. 2024

EXPERIENCE

Software Engineering Intern

Feb 2024 - July 2025

Thomson Reuters (Maverick Software Consulting)

Eagan, Minnesota

- Collaborated on Java Spring development team with 2-week iterations driven from the Agile development process, using Azure Dev-Ops boards to groom backlogs and plan iterations.
- Developed and enhanced, relational database systems using Java, PL/SQL, and Oracle SQL Developer.
- Improved security for product APIs by resolving XSS and DoS vulnerabilities.
- Engineered setup, test, and teardown SQL procedures to create, delete, and read information from multiple related database tables, improving manual test efficiency.
- Developed and tested on the permanent delete API for new product functionality and flexible data type handling.
- Updated database RPCs, queries, triggers, and front-end interfaces to revive legacy metric report.
- Wrote non-brittle JUnit, Mockito tests to ensure the functionality and reliability of newly implemented features.

Development & Operations Intern

Dec 2022 - Feb 2024

Thomson Reuters (Maverick Software Consulting)

Eagan, Minnesota

- Developed and maintained new and existing cloud infrastructure on the AWS cloud.
- Configured lambda function to clean up cloud orphans, reducing monthly cloud costs by over \$2,500
- Created and refined CICD pipeline resources and configurations to optimize code delivery process.
- Maintained the integrity, security, and availability of Reuters data acquisition systems through constant monitoring and management of cloud resources.
- Configured and managed dependencies across multiple Java projects for the Spring architecture model.
- Trained and led a total of 5 new-hires on cloud development and maintenance procedures to promote a quicker and more efficient on-boarding process.

PROJECTS

TAK — RaceX ESP32-S3 Rotary Device | C/C++, Arduino GFX, ESP-IDF

Jun 2025 - Aug 2025

- Developed a display solution compatible with the ESP32-S3 rotary device using the ESP-IDF framework.
- Rendered and animated a real-time RPM dial, from a tachometer square-wave input using Arduino GFX.
- Designed and implemented an RPM/time graph interface, supporting both direct pixel mapping for higher resolution, and aggregate mapping for a condensed view.
- Developed and optimized race data storage, applying quantization to compress rpm/time ranges to conserve space on embedded flash.

Get Your Weather - Rest API SPA | Java, JavaScript, CSS, HTML

Sep 2025

- Developed a Spring Boot weather application, integrating with browser geolocation and the Openweathermap API.
- Created a RESTful backend using spring-boot-starter-web and its integrated RestTemplate, embedded Tomcat server, and Jackson dependency to consume and serve weather data as JSON.
- Leveraged a Spring Model-View-Controller to map endpoints and manage weather data requests.

My Personal Website | C#, .NET, HTML, CSS, JavaScript, Typescript

Oct 2025

- Built full-stack portfolio website using ASP.NET Core, showcasing 6 interactive WebGL graphics projects.
- Implemented CI/CD pipeline with GitHub Actions and Docker for automated deployment to production.
- Visit: cameronestes.com to check it out!

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, PL/SQL, JavaScript, HTML/CSS, ReactJS, Regex, XML

Frameworks: Spring, .NET, Selenium, JUnit/Mockito, TestNG

Tools: Git, Docker, Amazon Web Services, VS Code, IntelliJ, Jenkins, Github Actions, SQL Devloper, Veracode, Snyk, Maven, Gradle, Azure (ADO),