

# Cameron Estes

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## EDUCATION

### University of Minnesota, Twin Cities

*Bachelor of Science in Computer Science*

- GPA: 3.4/4.0

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.
- Updated front-end html and javascript elements to improve and modify existing ui components.
- 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 cutting edge 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.

### Gowry's Shack - Auction WebPage | *Javascript, ExpressJs, PUG, CSS*

Nov 2024 - Jan 2025

- Developed an interactive auction webpage enabling users to create auction listings, place bids, and view items in an aesthetic gallery interface.
- Leveraged the Fetch API and ExpressJs to build a web-server that efficiently processes user interactions and handles HTTP requests to the back-end.
- Designed a MySQL database to efficiently store and organize user data, auction listings, and bid details.

## TECHNICAL SKILLS

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

**Frameworks:** Spring, Selenium, JUnit/Mockito, TestNG

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