

Daylen Hall

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Summary

Recent Computer Science graduate from Florida A&M University with hands-on experience building full-stack applications and data-driven tools. Proven ability to deliver web and AI-enhanced solutions that solve real-world problems, from dividend tracking platforms to hospital data analysis and object detection systems. As a former collegiate athlete, I bring discipline, resilience, and a collaborative mindset to every team I join.

Education

Florida A&M University

Computer Science

Tallahassee, FL

May 2025

Honors: Google Computer Science Scholarship, Dean's List (3x), 3 merit-based scholarships

Campus Involvement: Student Athlete, NSBE, BDPA, FAVES (volunteer organization)

Soft Skills: Team-Oriented • Adaptable • Time Management • Clear Communicator • Creative Problem Solver • Leadership

Experience

Northrop Grumman

Research Intern, Digital
Forensics & A.I

Tallahassee, FL

Aug '23 - Aug '24

- Conducted forensic analysis using Autopsy to extract file metadata, thumbnail fragments, and hidden headers
- Applied YOLOv7 object detection to real-world dashcam data to flag seatbelt usage and classify objects (humans, animals)
- Automated validation workflows to improve object classification accuracy and eliminate false positives in data pipeline

Projects

- **Personal Portfolio Website:** Created a responsive personal website to showcase projects, resume, and technical skills using HTML, CSS, and JavaScript; includes GitHub integration and project documentation for recruiters.
- **Mystery RPG Game (Java & Firebase):** Designed and developed a turn-based mystery role-playing game using Java and Firebase, featuring dynamic character interactions, JSON-based story progression, and persistent user data.
- **Navigation System with Google Maps API:** Engineered a route optimization tool using Dijkstra's algorithm and Google Maps API, featuring interactive map visualization and real-time delivery logging.
- **DiviDen – Full-Stack Dividend Tracking App:** Developed a React and Firebase-powered web application to track dividend income, with interactive tools like a DRIP calculator, dividend danger meter, and monthly paycheck builder.
- **MedTrack:** Analyzed U.S. hospital readmission data to identify key trends in patient outcomes. Used Python and Jupyter for data cleaning and statistical exploration, MySQL for structured querying, and Power BI for interactive data visualization.

Skills & Interests

Technical: Java • Python • C++ • JavaScript • TypeScript • React • Firebase • Node.js • SQL • Git • VS Code • IntelliJ

Tools & Environment: Google Maps API • Folium • Firebase Realtime DB • JSON • REST APIs • Vite • GitHub

