

Andre Harris

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<https://github.com/MugenUni>

Experience

J.B. Hunt Transport, Inc. | Lowell, AR

Summer Application Development Intern | May 2025 – Aug. 2025

- Engineered and maintained **enterprise microservices** using Java and Spring Boot within a distributed architecture to provide **SaaS** to the company's business and customers, achieving **high uptime** in non-production environments.
- Implemented **Azure DevOps CI/CD pipelines** for automated testing and deployment across **DEV, TEST, NON-PROD and PROD** environments, reducing deployment time
- Developed **RESTful API endpoints and unit tests** with **JUnit and Mockito** for real-time database accessing, processing **1,000+ data records daily** with **sub-500ms latency**.
- Utilized **Docker containers** and **Kubernetes orchestration** to ensure consistent application behavior across **4+ Kubernetes clusters**.
- Conducted **buddy testing and QA testing for 4 user stories**, reducing regression bugs through early detection and ensuring **business-critical features** are implemented on time.
- Monitored Kubernetes clusters using **Loki**, ensuring **canary releases** to prod go smoothly.

Southern Arkansas University | Magnolia, AR

Magale Library Student Worker | Jan. 2024 – Dec. 2025 (Fall and Spring semesters only)

- **Managed** library checkout operations and book inventory **servicing 10,000+ annual patrons**, implementing efficient shelving procedures that **reduced misshelved materials**.

Education

Southern Arkansas University, College of Science and Engineering | Magnolia, AR

Bachelor's in Computer Science | Dec. 2025

Smackover High School | Smackover, AR

High School Diploma | May 2022

Projects

Real-Time Emotion Profiler and Music Recommender (Python, C++, TypeScript, Vue.js, HTML, Windows 11)

- Engineered a **hybrid Electron and Flask application** with **REST API** that **achieved 81% accuracy** in facial emotion prediction and song recommendation integration.
- Developed a **Vision Transformer** model for facial emotion prediction and a **CNN model** for audio feature capture and autotagging.
- Designed and implemented **user profiling algorithms** that tracked emotional states and listening patterns, generating personalized music **recommendations** through **Spotify API integration**, with sensitive data saved locally.
- Coordinated four-person team development from start to finish across multiple modules, including **dataset preparation, profiling systems, and recommendation engines**, delivering a fully functional MVP within **2 semesters**

SAU Schedule Organizer and Path Planner (Python, Windows 11)

- Implemented **Dijkstra's Algorithm and graph theory principles** to calculate optimal campus routes, reducing walking time for students and improving new student adaptation.
- Integrated graph data structures and priority queues into the application to optimize route calculation efficiency
- Three-person team project, where I contributed the graph representing the campus and integrated the graph into the code.

Skills and Certifications

Used in **Professional Environment**: Java, Microsoft SQL Server, Spring Boot, Kubernetes, Microsoft Azure, Maven, Loki, CI/CD.

Used in **Personal Development**: Python, HTML, JavaScript, TypeScript, CSS, Vue, Numpy, Pandas

Exposed to or little use: C++, C#, C, PHP, MySQL, Assembly

Certifications: Microsoft Word, Excel, PowerPoint, ACT WorkKeys Platinum