

Maria Davis

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EDUCATION

University of Florida

Aug 2023 – Dec 2027

B.S./M.S. in Computer Science, Minor in Economics | GPA: 3.95 / 4.0

Coursework: Data Structures & Algorithms, Operating Systems, Computer Organization, Programming Language Concepts

Member: CS Kickstart, Society of Women Engineers, Women in CS and Engineering, Rewriting the Code

TECHNICAL SKILLS

Languages: Python, C++/C, Java, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Tools: AWS, React, React Native, Expo, Node.js, Spring Boot, Docker, Podman, Firebase, Angular, Terraform, Git/GitHub, PostgreSQL, PostGIS, REST APIs, Jenkins

WORK EXPERIENCE

Fifth Third Bank

Cincinnati, OH

Software Engineer Intern | Java, Terraform, AWS (Lambda, Step Functions, CloudWatch), Splunk, Jenkins

May 2026 – Aug 2026

- Replaced generic error logs across 8 AWS Lambdas powering automated cost-saving bots with structured logging and Terraform-provisioned Splunk log forwarding, reducing failure diagnosis time by 94%.
- Built a Splunk dashboard processing ~200 log events/day, giving 4-5 teams real-time visibility into pipeline health and error trends.

Fifth Third Bank

Cincinnati, OH

Digital Engineer Co-op | Java, Spring Boot, AWS SDK, Docker, Angular

Aug 2025 – Dec 2025

- Engineered REST APIs in Java/Spring Boot for Documentor, a GenAI grammar-and-compliance tool for internal bank documents, returning scan results in 2-3 minutes.
- Wrote 50+ unit and integration tests across microservices, increasing coverage and catching edge cases before production deploys.

Northrop Grumman

Melbourne, FL

Software Engineer Intern | C++, Docker/Podman, Python, Bash, GitLab

May 2025 – Aug 2025

- Containerized a CI pipeline for RHEL9 with Docker and Podman, reducing environment setup time by 80% and eliminating dependency conflicts.
- Collaborated with 30+ engineers in Agile sprints on C++ utilities; led VectorCAST unit testing across 15+ repositories to standardize validation.

Arystech

Glenview, IL

Software Engineer Intern | AWS (S3, Lambda, API Gateway, DynamoDB), Java, React

May 2024 – Aug 2024

- Engineered a full-stack voicemail platform using Amazon Connect and AWS serverless services to process 10K+ daily recordings.
- Built a holiday management system for 150+ employees, automating schedule tracking and eliminating manual approval workflows.

PROJECTS

H-1B RFE Response Tool | Python, FastAPI, PostgreSQL, ChromaDB, Claude API, React

June 2026 – Present

- Building a full-stack tool for a law firm that automates H-1B visa case review, cutting brief drafting from hours down to under 10 minutes by extracting key legal issues, identifying gaps in evidence, and generating a first draft with AI.
- Designed a 7-stage pipeline, deployed on Railway, that ingests scanned documents, searches past cases for relevant precedent, tracks evidence gaps, and exports a ready-to-edit Word doc for the attorney.

Closet — AI Personal Stylist App | React Native, Spring Boot, PostgreSQL, GPT-4o, Replicate

March 2026

- Utilized GPT-4o vision to classify wardrobe items by category, color, and season, and generate outfit recommendations.
- Integrated IDM-VTON via Replicate for virtual try-on and built an image pipeline with client-side compression, achieving ~60% payload reduction.

Autonomous SRE & Chaos Simulation Mesh | Python, FastAPI, Kafka, Docker, LangGraph, React

Jan 2026

- Architected 3 containerized FastAPI microservices over Kafka with chaos engineering simulating a 20% payment failure rate and sub-second failure detection.
- Built an autonomous LangGraph agent that detects failures, performs LLM-powered root cause analysis, and restarts degraded services via Docker SDK.

LEADERSHIP

SwampHacks XII

Gainesville, FL

Sponsors Relations Coordinator

March 2026 – Present

- Leading corporate sponsorship outreach for SwampHacks XII, UF's 400+ person flagship hackathon, securing \$5,000+ in funding.

Computer Science Kickstart

Gainesville, FL

VP of External Affairs

Jan 2025 – Dec 2025

- Directed events for 50+ members and co-led CS Kickoff, a freshman summer program with 200% attendance growth.