

Christine Morgado

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EDUCATION:

Rochester Institute of Technology - Software Engineering B.S.

Expected: May 2027

- Relevant Coursework: Engineering Cloud-Based Software Systems, Engineering of Software Subsystems, Intro to AI
- Overall GPA: 3.47/4.0

SKILLS:

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

AI/ML & Cloud: LangChain, LangGraph, Databricks, PyTorch, AWS, Terraform, Docker

Frameworks & Tools: Next.js, React.js, Spring Boot, Flask, PyQt, PostgreSQL, MySQL, GitHub Actions, Git

PROFESSIONAL EXPERIENCE:

Excellus BlueCross BlueShield

Rochester, NY

AI Engineer Intern

Jun. 2026 - Current

- Engineered an AI agent workflow system for medical appeal automation using Python, Databricks, and LangChain / LangGraph, reducing manual case review time by an estimated 80%
- Developed multi-agent pipelines for document ingestion, case summarization, and evidence extraction to support physician appeal decision-making
- Collaborated on system design for scalable LLM-based workflows integrating healthcare and insurance data processing

Honda Development and Manufacturing of America

Columbus, OH

Software Engineer Intern

Jan. 2026 - Apr. 2026

- Delivered a multi-tool web platform using Next.js and PostgreSQL to ingest, process and visualize aggregate test drive analytics, cutting manual report generation time by 95%
- Reduced road profile data retrieval latency by 83% by engineering a multi-threaded Python pipeline with a thread pool and worker queue to execute API calls concurrently
- Developed a Kotlin module that dynamically generated randomized test drive routes, eliminating route bias across test procedures

Honda Development and Manufacturing of America

Columbus, OH

Software Engineer Intern

May 2025 - Aug. 2025

- Built 2 Kotlin Android apps that automated data collection for 3 test procedures, enabling a single engineer to run tests that previously required a 2-person crew
- Cut manual data entry by 90% across 3 test procedures by architecting a centralized PostgreSQL relational database to replace legacy Excel file storage

Honda Development and Manufacturing of America

Columbus, OH

Software Engineer Intern

Aug. 2024 - Dec. 2024

- Engineered a custom OpenCV and PyQt video processing application, eliminating third-party software licensing fees by enabling in-house video merging and layout customization of test drive recordings
- Reduced manual test monitoring labor by 80% by building a Kotlin Wi-Fi protocol layer to interface mobile apps with Raspberry Pi hardware to stream real-time test telemetry

PROJECTS:

LyricLens

Tools: AWS, GitHub Actions, HCL, Python, TypeScript, Next.js

- Developed an AWS web app that generated playlist images by analyzing song lyrics and sentiment using the Lambda, Comprehend, Bedrock, API Gateway, and DynamoDB resources
- Automated full-stack infrastructure deployment and CI/CD using Terraform modules with GitHub Actions

DegreeMap

Tools: Java, Spring Boot, SQL, TypeScript, Next.js, Docker

- Created a full-stack web app aimed at helping students organize and track their academic courses
- Implemented 15+ RESTful APIs built using Spring Boot with JPA to enable dynamic data exchange between the frontend and a MySQL database hosted locally in a Docker container

Society of Software Engineers (SSE) Website Rebuild (sse.rit.edu)

Tools: TypeScript, Next.js, Tailwind CSS

- Directed a team of 7 developers as the Front-end Team Lead to revamp the front-end portion of the SSE website
- Built responsive front-end components with Next.js and TailwindCSS, displaying dynamic data from backend APIs

EXTRACURRICULARS:

RITGraph, SIGGRAPH Student Chapter ~ Secretary

Aug. 2025 - May 2026

RIT Electric Vehicle Team ~ Firmware Team Member

Aug. 2025 - May 2026

Society of Software Engineers ~ Front-end Team Lead, Outreach Lead

Apr. 2023 - Sep. 2024