

# Robert Perkins Gathinji Jarman

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## EDUCATION

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### Emory University

Bachelor of Science in Computer Science, Business Administration - Finance

Atlanta, GA

August 2022 – May 2026

- **Awards:** QuestBridge Finalist Match Merit Scholarship

- **Involvements:** NSBE, Outdoor Emory, Fencing, ColorStack, Student Ambassador, MathCS Lab Rep, CS Club

## WORK EXPERIENCE

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### Research Assistant

January 2026 – May 2026

U.S. Department of Energy S.U.L.I., Argonne National Laboratory

Lemont, IL

- Build ML models forecasting critical mineral supply chain disruptions; analyze 10K+ trade flow data points
- Engineer Python pipelines (pandas, NumPy) for DOE energy security; develop AI disruption detection platform

### Machine Learning Engineer

August 2025 – December 2025

Handshake

San Francisco, CA

- Evaluated 200+ generative AI prompts for LLM and computer vision systems, achieving 95%+ quality benchmarks
- Mastered AI prompting techniques; identified hallucinations/safety issues; improved production accuracy

### Software Engineer Intern

June 2025 – September 2025

Ga^3in Ventures

New York City, NY

- Built Python pipeline integrating CoinGecko, Messari, TradingView APIs for crypto token research
- Created Notion/Airtable dashboards reducing reporting 40%; led Blockchain Week pitch for 200+ attendees

### Research Assistant

August 2024 – August 2025

Emory S.I.R.E./S.U.R.E. Program, Cognition and Visualization Lab

Atlanta, GA

- Developed "Spotify Warped" visualization mining 5,600+ hrs of listening data (D3.js, Python, Java)
- Engineered Jupyter pipeline uncovering cognitive patterns in music engagement and demographics

### Operations Manager Intern

February 2024 – August 2024

Storage Scholars

Winston-Salem, NC

- Developed photo verification feature for manager app; managed 105+ orders at 6 moves/hr (50% above avg)
- Built 1,000-follower Instagram driving Emory partnership; distributed 2,000+ marketing flyers

## PROJECTS

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### Ampora AI | Co-Founder and Chief Technology Officer (CTO)

October 2025 – Current

- Architected full-stack AI platform (React, FastAPI, PostgreSQL) transforming documents into video courses
- Integrated GPT-4/Gemini APIs; Stripe billing; JWT auth; scaled to 50+ users generating 300+ videos

### Professional NFC Contact Card & Website Portfolio | Full Stack Engineer

October 2025 – Current

- Built GitHub Pages portfolio with gallery; programmed NFC card for 1-tap access to résumé and projects

### GitFolio AI Portfolio Generator | Scrum Master and Frontend Engineer

January 2025 – May 2025

- Built AI resume-to-website platform (PyPDF2 OCR, NLP chatbot); reduced creation from 6hrs to 5min

### DIY-Doula | Dev Ops Engineer

January 2025 – May 2025

- Configured CI/CD pipeline for 6-person team; built React Native maternal health app with automated testing

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, Java, C/C++, Google Cloud PostgreSQL, R, React.JS, HTML, S3, Mobile SDK, Kotlin

**Developer Tools:** Git, Docker, Visual Studio Code, PyCharm, Machine Learning, JIRA, Project Management

**Certificates:** Wildlife First Aid, CPR, Microsoft Office Suite