

MEGANE ALEXIS

meganealexis12@gmail.com ~ <https://linkedin.com/in/megane-alexis> ~ github.com/megane18

EDUCATION

Bachelor of Arts in Computer Science

December 2025

Florida International University (FIU); Miami, FL

- GPA: 3.7/4.0
- Member of Break Through Tech, Code Crunch, Tech Talent Academy

Associates of Arts and Science in Economics

April 2022

Miami Dade College; Miami, FL

- GPA: 3.9/4.0

Google Tech Exchange Scholar

January 2025 - April 2025

Google; USA

- Completed a semester-long academic residency at Google focused on applied computer science and professional development.

EXPERIENCE

ContinuED | Miami, FL

May 2024 – December 2025

Intern Front-End Developer

- Performed tuning front-end to boost user experience through caching and code optimizations.
- Constructed reusable UI components to promote consistency and maintainability.
- Gained valuable experience across full stack, contributing to application's security, speed, and overall quality.

Comcast | Philadelphia, PA

May 2025 – August 2025

Cybersecurity Engineer Intern

- Implemented network service fingerprinting module in Go to detect and classify services (Redis, HTTP) across infrastructure with protocol-specific validation and authentication detection
- Developed HTML title extraction feature for open port services, connecting data pipeline between backend PostgreSQL database and existing web dashboard interface
- Enhanced security dashboard with database utilization metrics (free blocks, reserved space) through PostgreSQL queries and frontend JavaScript visualizations

Headstarter | United States

July 2024 - September 2024

Software Engineering Fellow

- Created a web scraper to automatically extract data from Rate Professor, integrated it with a Pinecone index, and connected it to a RAG pipeline utilizing OpenAI GPT-4 for providing current and relevant responses to user queries.
- Collaborated with 3 Fellows to build and deploy a SaaS product generating dynamic flashcards on any topic via Llama 3.1 LLM through the Groq API. Implemented a paywall and custom pricing plans with the Stripe API.

SKILLS

- Programming languages and Frameworks: Java, JavaScript, Python, React, HTML, CSS, Go, C, SQL, Bash
- Tools & Technologies: IntelliJ, Visual Studio Code, Android Studio, Git, GitHub, PostgreSQL, Neo4j

PROJECTS

Binary Quest: Interactive Number Guessing Game | Miami, FL

June 2024 - June 2024

- Architected Python-based game using Pygame, improving proficiency in object-oriented programming and event-driven development
- Constructed engaging user interface, improving UI/UX design skills and dynamic text rendering techniques
- Developed game logic system based on binary search principles, strengthening algorithm implementation and problem-solving abilities
- Designed custom audio-visual elements, including sound integration and particle animations, expanding multimedia programming capabilities

CloakR – Personal Privacy Cloaking Tool | Miami, FL

April 2025 - Present

- Built a command-line tool using base64-encoding for text files and filenames for data privacy
- Logged file metadata into a dump file with a hidden riddle
- Created PowerShell automation to run the script efficiently on Windows
- Designed for future evolution into a SecureVault with layered encryption

EXTRACURRICULAR INVOLVEMENT

Girls Who Code Leadership Academy; Miami, FL

July 2024 - November 2024

Participant

- Selected for leadership program focused on advanced coding skills, project management, and leading team projects addressing real-world technology challenges