

Amy Hakim

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EDUCATION

University of Central Florida

Orlando, FL

Bachelor of Science in Computer Science

Expected Graduation: Spring 2027

- **GPA:** 3.7 / 4.0
- **Relevant Coursework:** Data Structures & Algorithms, Database Systems, Object-Oriented Programming, System Software, Analysis of Computer Communication Networks
- **Activities:** UCF Programming Team, Girls Who Code, Tau Beta Pi, KnightHacks

PROJECTS

Cook Quest | *Python, FastAPI, Gemini API, Unity*

October 2025

- Developed asynchronous **Python** API endpoints using **FastAPI** that integrate Gemini AI to analyze images and generate structured **JSON** recipe data.
- Implemented a multi-agent system with feedback loops to refine recipe outputs and maintain session context. Deployed on **Meta Quest** to provide an immersive user experience.
- Awarded *Best Use of Vultr (MLH)* and *Most Useful Hack* at **KnightHacks** 2025.

UCF Events Portal | *.NET, C#, Blazor, MySQL*

March 2025

- Built a full-stack web application with **.NET** and **Blazor**, integrating secure authentication via **JWT tokens** to protect user data and maintain session persistence.
- Designed a normalized **MySQL database schema** supporting multi-user accounts, personalized event dashboards, and real-time synchronization through the UCF Events JSON Feed.
- Prototyped page layouts and UI components in **Figma**, used **Bootstrap** for certain components.

LeetCode Solution Tracker | *Manifest V3, JavaScript, Notion API, Go*

In Development

- Created a Google Chrome Extension using **JavaScript** and **Manifest V3** to capture LeetCode submissions directly from the browser.
- Wrote a **Go automation script** in GitHub that triggers on **push** events via **GitHub Actions**, reliably inserting submission data into a Notion database through **Notion API**.
- Applied end-to-end **CI/CD automation** to continuously integrate submissions and **sync data** between GitHub and Notion without manual effort.

WORK EXPERIENCE

Data Software Engineer (Part-Time)

June 2023 - August 2025

North Florida American Red Cross

Jacksonville, FL

- Automated data cleaning and transformation of disaster response sheets using **Power Query** and custom **Python scripts**, improving data accuracy and reducing manual processing.
- Designed interactive Power BI dashboards to visualize response time, resource allocation, and regional impact.
- Attended weekly report reviews with supervisors via Microsoft Teams, incorporating feedback to improve KPIs and dashboard usability.

TECHNICAL SKILLS

Languages: Python, C++, C#, SQL, JavaScript

Frameworks/Libraries: .NET, Blazor, Flask, FastAPI, Bootstrap

Developer Tools: Visual Studio, Git, Linux/Unix workflows, Jira, Postman, Figma, Microsoft Office

Data Visualization/Databases: Power BI, Power Query, MySQL, PostgreSQL