

AMY HAKIM

407-xxx-xxx | amyhakim5253@gmail.com | amyhakim.github.io

EDUCATION

University of Central Florida <i>Bachelor of Science in Computer Science</i>	Orlando, FL May 2027
<ul style="list-style-type: none">• GPA: 3.7 / 4.0• Relevant Coursework: Data Structures & Algorithms, Database Systems, Object-Oriented Programming, System Software, Analysis of Computer Communication Networks, Problem Solving & Team Dynamics, Graph Theory, Algorithms for Machine Learning	

PROJECTS

Cook Quest <i>Python, FastAPI, Gemini API, Unity</i>	October 2025
<ul style="list-style-type: none">• Built CookQuest, a VR AI cooking assistant for Meta Quest that detects ingredients from photos and suggests live, step-by-step recipes. 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 using Unity to provide an immersive user experience.• Awarded <i>Best Use of Vultr (MLH)</i> and <i>Most Useful Hack</i> at KnightHacks 2025.	
UCF Events Portal <i>.NET, C#, Blazor, MySQL</i>	March 2025
<ul style="list-style-type: none">• 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 various components.	
LeetCode Solution Tracker <i>Manifest V3, JavaScript, Notion API, Go</i>	September 2025
<ul style="list-style-type: none">• Created a Google Chrome Extension using JavaScript and Manifest V3 to capture LeetCode submissions directly from the browser.• Wrote a Python 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

Software Engineer North Florida American Red Cross	June 2023 - August 2025
<ul style="list-style-type: none">• Automated disaster response data workflows by developing Python pipelines to query and clean over 10K+ records per month from SQL databases, reducing manual processing time by over 70%.• Delivered dynamic Power BI dashboards visualizing response times and resource allocation, enhancing KPI reporting accuracy and enabling faster, data-driven decision-making across teams.	
UCF Programming Team University of Central Florida	September 2024 - August 2025
<ul style="list-style-type: none">• Collaborated with team members during weekly programming practices as a guest participant, solving competitive C++ problems under timed conditions to strengthen teamwork and algorithmic efficiency.• Optimized and debugged solutions, improving speed and accuracy via post-contest code reviews.	

TECHNICAL SKILLS

Languages: Python, C++, C#, SQL, JavaScript, HTML, CSS, Java, Bash, Shell Scripting, TypeScript, PHP
Frameworks/Libraries: .NET, Blazor, Flask, FastAPI, Bootstrap, Tailwind
Developer Tools: Visual Studio, Git, Linux/Unix workflows, Jira, Postman, Figma, Power BI, MySQL, APIs, REST, PostgreSQL, Jupyter