

# OMAR MNEIMNEH

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## EDUCATION

**George Mason University**  
Bachelor of Science in Computer Science

Fairfax, VA  
Dec 2025

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, Swift, C, SQL, MongoDB

**Frameworks/Libraries:** React.js, SwiftUI, UIKit, Flask, Node.js, Spring Boot, Pandas, Numpy, Firebase

**Developer Tools:** Git, Kubernetes, AWS, Docker, Jenkins, Google Cloud Platform

## WORK EXPERIENCE

**Capital One** | Software Engineer Intern, McLean, VA Jun 2025 – Aug 2025

- Delivered a **40%** reduction in load times and improved responsiveness for **35,000+** daily users by migrating Café room booking from WebView to native iOS using **Swift** and **SwiftUI**
- Projected a **20%** increase in recurring user rate by delivering a seamless native booking experience, developed in collaboration with product, design, and backend teams using Agile methodologies
- Enhanced reservation data security by integrating native networking and implementing secure API practices, reducing network exposure

**Discover Financial Services** | Software Engineer Intern, Chicago, IL Jun 2024 – Aug 2024

- Automated operational workflows and token/environment configurations using **Python** scripting, process tooling, and shell automation, saving **\$15,000/month** in labor costs and reducing setup time from **8 minutes to 20 seconds**
- Improved monitoring accuracy across Data Analytics by automating Datadog monitor creation using **Python**, **Datadog APIs**, and validation pipelines, preventing **500+** incorrect or redundant monitors monthly and reducing manual errors
- Enhanced monitoring reliability and reduced errors by deploying a metadata validation framework leveraging **Pytest** for test orchestration, **Go** for backend services, and Datadog APIs for system observability.

**Discover Financial Services** | Software Engineer Intern, Chicago, IL Jun 2023 – Aug 2023

- Cut outage resolution time by **60% (from 25 to 10 minutes)** by implementing automated error reporting features in **Apache Airflow** jobs using **Python**
- Boosted error identification speed by **70%** by developing contextual visualization tools using Python scripts and frontend dashboards
- Provided actionable incident insights by creating backend automation and user-centric reporting frameworks

**NASA** | Software Engineer Intern, Remote May 2022 – Aug 2022

- Improved navigation efficiency by **40%** across **43,000 databases** by developing a hierarchical tree structure with JavaScript, streamlining data retrieval workflows
- Increased data utilization by **25%** by optimizing navigation logic with JavaScript and DOM manipulation techniques
- Enhanced UI usability and design by collaborating with **six cross-functional teams** to gather feedback and iteratively improve features using Agile practices and JavaScript frameworks.

## PROJECTS

### Rate My Classes

- Developed a full-stack course review platform using **React** and **Firebase**, enabling **500+ students** to make informed enrollment decisions through peer reviews and professor insights
- Ensured data consistency under high concurrency by implementing transactional Firestore operations and scalable backend architecture