

# OMER HYAJNEH

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## EDUCATION

### The Ohio State University

Bachelor of Science in Computer Science & Engineering

Columbus, OH

Aug. 2019 - Dec. 2024

## WORK EXPERIENCE

### Digital Flagship - Swift Coding Mentor | The Ohio State University - Columbus, OH

May 2022 – Dec 2023

- Designed and managed online Swift programming courses for 100+ university students, combining theory and hands-on examples for all skill levels.
- Developed software to streamline course content delivery, enhancing productivity by 80%.
- Produced 30+ coding exercise worksheets for the Swift App Development Course, leading to a 40% increase in student engagement compared to the previous session.
- Hosted several virtual 1-on-1 tutoring sessions, providing accommodated teaching and support to over 30 students, enhancing their understanding and application of Swift programming concepts.

### Data Engineer, Intern - Customer Protection Chapter | Fidelity Investments - Covington, KY

Jun. 2024 – Aug. 2024

- Saved company revenue by improving employee efficiency in the data disposal process using PowerAutomate and Forms.
- Increased system resilience by initiating a cyber-crisis roll-back procedure, collaborating with third-party vendors and internal teams.
- Increased system security by enforcing GDPR ROPA requirements, access policies for appropriate job functions, and Fidelity documentation.

## TECHNICAL SKILLS

**Languages:** Dart, Java, Python, C, Ruby, HTML/CSS/JavaScript, Swift, SQL, Assembly x86/64, GoLang, MATLAB

**Frameworks:** Flutter, Node.js, Ruby on Rails, PyQt5, Swing

**Developer Tools:** Git, Docker, Jenkins, Android Studio, Gradle, VSCode, XCode, Vim, JetBrains IDE Suite, SQLite

**Libraries:** TensorFlow, OpenCV, threading (Python), Firebase Cloud Firestore, FirebaseSDK, React, Android (Java)

**Techniques:** Test-Driven Development, Automated Testing, OOP, Concurrent programming, Algorithm Analysis, Object Relational Mapping

## PROJECTS

### Reserve Mobile | Flutter, Firebase (Firestore, Auth, Cloud Functions), Riverpod, Dart, MapBox

Jan. 2025 – Present

- Developed core reservation functionality that allows users to search for and book local businesses quickly and easily.
- Implemented secure user authentication and profile management to ensure a seamless, personalized experience.
- Designed a robust, scalable data architecture to support real-time booking, location-aware searches, and efficient app updates.
- Enhanced the user experience by implementing geospatial recommendations, in-app notifications, and accessibility features.

### Pathfinder (Capstone Project) | HTML, CSS, TypeScript, ReactJS, Google Maps API, Firebase Auth

Jan. 2024 – May 2024

- Developed an interactive web app designed to give insurance providers the ability to track their book of business, active claims, and loss development via their insured's locations to integrate spacial data with attribute data.
- Utilized Google Maps API and React Google Maps components to allow users to filter dynamic data pins on a map GUI.
- Overhauled existing UI using React and CSS, improving the app's ease of accessibility.
- Enhanced TypeScript Maps components to substantially improve performance and decrease resource overhead.

### PC Builder Guide | Android Studio, Java, Gradle, Firebase Cloud Firestore, Google Maps API

Aug. 2023 – Dec. 2023

- Spearheaded "PC Builder Guide," an intuitive Android app in Java, streamlining the PC assembly process for novices.
- Applied agile methodologies and Model-View-ViewModel architecture for enhanced maintainability and robustness.
- Integrated Cloud Firestore for dynamic data management and SHA-256 for advanced security in user authentication.
- Implemented geolocation features with Google Maps API to connect users with local PC part retailers.

### Learning Management System | Ruby on Rails, JavaScript, HTML, CSS, SQL

Nov. 2022 – Dec. 2022

- Spearheaded front-end design, ensuring intuitive UI/UX for both student and instructor interfaces.
- Facilitated real-time grade updates, empowering instructors to modify and relay feedback instantaneously.
- Enabled instructors to create, modify, or delete assignments, further aligning with comprehensive LMS features.
- Integrated a feature allowing students to upload assignments, comment on peers' submissions, and engage in collaborative learning.