Mohamed Kaid

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Skills

Languages:
Python, Java, C, C++, JavaScript, Swift, HTML5, CSS3, PHP, SQL

Developer Tools:
Android Studio, Arduino Uno, Eclipse, Figma, Git, Google Cloud Platform (GCP), Miro, MySQL Workbench, NetBeans, PyCharm, SQLite3, Swift Playgrounds, VS Code, Xcode

Frameworks & Libraries:
Flask, Pandas, Requests, BeautifulSoup, Smtplib, Firebase, Arduino, Tkinter, FastAPI, SwiftUI

Professional Experience

TaskUs   07/2025 – Present
Autonomous Vehicle Support Specialist
- Provided real-time navigational input to autonomous vehicle (AV) systems using proprietary software tools, ensuring safe and accurate path planning in complex environments.
- Monitored AV sensor data and system logs to detect anomalies, proactively addressing technical issues to maintain operational safety and compliance.
- Collaborated with engineers and AV algorithms to optimize route decisions using real-time traffic inputs, GPS data, and onboard diagnostics.
- Utilized human-machine interface (HMI) platforms to interact with AV systems, executing interventions and system overrides when required.
- Documented system behaviors and edge cases for engineering review, contributing to machine learning model refinement and software updates.

Apple Developer Academy | MSU (Apprenticeship)   08/2025 – Present
Student/Learner
- Collaborate in teams to design, develop, and launch iOS apps from concept to prototype.
- Combine design, coding (front-end & back-end), and marketing to deliver user-focused apps.
- Work with the latest Apple technologies (Swift, SwiftUI, Xcode) to build real-world projects.
- Adapt to challenges through problem-solving, iteration, and peer feedback.

Performance Driven Workforce/Ford (Part-Time)   01/2025 – 09/2025
Vehicle Test Driver
- Conducted comprehensive durability, validation, and system performance evaluations on pre-production vehicles.
- Executed structured testing protocols and reported anomalies related to ride quality, handling, and electronic systems.
- Maintained detailed test records and logs, contributing to quality verification and product improvement cycles.
- Followed strict safety and operational procedures aligned with regulatory and company standards.

Education

Eastern Michigan University   2022
Bachelor in Computer Science   Ypsilanti, MI

Certificates

Foundation Program 🔗
Issued by Apple & Michigan State University
- Attend a multi-week in person program to learn foundations of iOS development
- Research, design, and develop a prototype of an iOS application using SwiftUI with a team
- Present the application and its development process

Open Source Contributions

DigaFlow (Open Source Contribution – Frontend & UI Integration)
- Built a smart loading screen that triggered based on API activity, starting when a request was made and ending when data was received, improving real-time feedback for users.
- Improved accessibility and layout consistency across browsers and devices by refining UI elements using **JavaScript** and **CSS**.
- Contributed directly to the codebase by independently developing and pushing front-end features, helping improve user experience without requiring major revisions.

Technical Projects

Trucker (Driver & Document Management System)
Python, Flask, HTML5, JavaScript, Firebase
- Built and deployed a web-based platform to centralize driver records and document tracking, replacing manual systems and improving accessibility for dispatchers and admins.
- Designed the full front-end using HTML5, CSS3, and JavaScript, making the interface easy to use for non-technical users managing daily operations.
- Integrated Firebase Authentication to control access levels between company admins and dispatchers, improving data security and user management.
- Used Firebase as the primary database to store and sync driver and load data in real time, enabling fast and consistent access across different users.
- Developed backend Python scripts to automatically send email reminders for document expirations, helping users stay compliant with less manual effort.
- Added bulk upload support via Excel files, cutting down onboarding time for large fleets and making the system scalable for growing operations.

Jornada (Apple Foundations Development Program)
Apple & Michigan State University — Completed coursework, 2025
- Led the creation of a budgeting app designed to teach kids about money in a fun, age-appropriate way, focused on a specific country and culture.
- Took the app from rough sketches to a working prototype using **SwiftUI**, and successfully launched it in test mode on the Apple App Store.
- Designed interactive mockups in **Figma** and used feedback to make the app more engaging and easy to use.
- Coded a game-style calculator to help kids learn basic budgeting through simple, playful interactions.
- Focused on accessibility from the start, making sure the app was easy to navigate and usable for all types of learners.
- Kept the team on track by organizing tasks, managing timelines, and making sure we hit our project goals by the final presentation.

Activities

Building an Innovative Software Venture
- Spearheading the design, integration, and validation of scalable software systems for a tech-driven startup, emphasizing modular architecture and growth potential.
- Conducting exploratory and iterative testing to evaluate product-market fit and refine key features.
- Researching and applying software frameworks aligned with quality assurance best practices and regulatory expectations (e.g., security, data compliance).