AHMAD SOBOH

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Skills

Languages: Python, C, C++, Golang, Rust, TypeScript, Swift, Kotlin, Java, SQL, JavaScript, HTML/CSS, Bash
Frameworks/Libraries: Node.js, React, Vue.js, Next.js, CircleCI, Docker, GraphQL | Tensorflow, Numpy, Pandas, Matplotlib
Developer Tools: Linux, Git, Docker, GithubActions, Vercel, Jenkins
Databases: PostgreSQL, MySQL (Firebase, AWS)

Professional Experience

Ford Motor Company   **Ottawa, ON, Canada**
Software Engineer Intern   *September 2024 - December 2024*
- Applied hands-on **QA, testing, and debugging skills** to validate software components, effectively identifying and resolving issues to enhance system stability and performance.
- Developed and rigorously **tested back-end services** for vehicle software updates, ensuring precise data processing and seamless integration with front-end systems. (Django | Python | PostgreSQL)
- Spearheaded **testing initiatives** for back-end solutions in the FordPass/Lincoln Way apps, **collaborating with QA teams** to optimize data retrieval and processing, achieving a 30% increase in efficiency. (Node.js | Express.js | MongoDB)

Ford Motor Company   **Ottawa, ON, Canada**
Software Engineer Intern   *January 2024 - April 2024*
- Successfully **engineered a beta site**, designed to illustrate and give internal teams information regarding vehicle software updates. (Django | React.js)
- Entrusted in increasing company-wide UAT usage for the FordPass/Lincoln Way apps, achieving a remarkable **20% increase** in usage, and then **presented my work to the head of UAT Engineering**.
- Conducted advanced software issue resolution processes by implementing preemptive triage strategies, resulting in a concise **software issue resolution process**. (Jira | Confluence)
- Led pivotal software updates to vehicle modules, enhancing system reliability and performance using numerous internal tools and CI/CD pipelines. (Jenkins | QUIP)

MASV Inc.   **Ottawa, ON, Canada**
Software Engineer Intern   *May 2023 - August 2023*
- Engineered both the **front-end and back-end components** of a comprehensive Admin site, now extensively utilized by all employees to access critical client information and **decreasing time to resolve tickets by 25%**. (Vue.js | MASV API)
- Provided support for prestigious multi-million-dollar clients, achieving **rapid issue resolution** for companies like Fifa, John Deere, etc.
- Led the successful **rollout of software upgrades for the Admin site**, managing the process to **prevent merge conflicts** and guaranteeing smooth integration.

Projects

KalimArabi - Artificial Intelligence Tutor (TensorFlow | Google Cloud Speech-to-Text | Open-AI API | JS | HTML | CSS)
- Built an AI Personal Tutor that taught spoken Arabic, implemented TensorFlow models for speech recognition, resulting in a **30% improvement** in speech recognition accuracy.
- Contributed to the development of custom NLP pipelines for dialectal variations, enabling precise comprehension of regional Arabic dialects resulting in a **99% accurate dialect translation**.

Encrypted - Cyber Security Web Development (JS | CSS | HTML)
- Developed an application allowing users to create chat rooms and send **encrypted messages, photos, and files** to one another with **256 bits of packet data** using an encryption algorithm.

Education

University of Ottawa   **Fall 2022 - Summer 2026**
Bachelor's, Software Engineering with CO-OP   *GPA: 3.92/4*
- **Coursework**: Operating Systems, Data Structures & Algorithms, Discrete Structures, Software Quality Assurance
- **Other:** uOttaHack, uORocketry (2022-2023), Intramural's Men's Basketball, Merit Scholarship