

# Mohamed Alaouie

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## WORK EXPERIENCE

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### Ford Motor Company

Jul 2024 – Present

#### Software Test Engineer - Full Time

Dearborn, MI

- Supported User Acceptance Testing (UAT) for Over-the-Air (OTA) software updates by refining test scenarios in TestRail, logging issues in JIRA, and partnering with Feature Software Engineers (FSEs) to confirm defect resolution.
- Investigated software issues by analyzing CAN logs and performing Root Cause Analysis in collaboration with cross-functional teams to address problems affecting compliance and user experience.
- Conducted wire flashing procedures and operated the Diagnostic Engineering Tool (DET) to validate system stability and performance for both current and pre-production vehicle builds.
- Provided hands-on training in Vector CANalyzer and CANoe tools to teammates, enhancing their ability to perform diagnostics, monitor signals, and test communication protocols.
- Contributed to Advanced Driver-Assistance Systems (ADAS) feature testing, ensuring functionality met safety standards and operated reliably under diverse real-world conditions.
- Automated repetitive TestRail tasks by scripting solutions that reduced manual workload and improved efficiency in test planning and execution processes.

### Ally Financial

Jul 2022 – Dec 2023

#### Software Test Engineer - Full Time

Detroit, MI

- Developed and maintained automated test scripts using Java Selenium, enhancing quality assurance by reducing manual testing efforts by 25%.
- Supported overnight code releases of products such as Ally's new credit card, ensuring flawless deployments that positively impacted over 1 million users.
- Optimized CI/CD pipeline in Jenkins by integrating automated tests, which increased code deployment efficiency and reduced risks by 40%.
- Led training initiatives on automation, accessibility, and regression testing techniques.
- Coordinated technical debt identification and debugging, reducing post-release defects and cutting tech debt closure time.

### Career Now Brands

Jan 2020 – Apr 2020

#### Software Engineer Intern - Full Time

Royal Oak, MI

- Led the migration from Selenium in Java to Cypress in Javascript for testing by demonstrating its benefits through a well-received demo, effectively showcasing enhanced efficiency and ease of use.
- Created automated testing solutions from technical designs, significantly improving testing efficiency and coverage.

### Secure-24

May 2019 – Jan 2020

#### Software Developer Intern - Full Time

Southfield, MI

- Collaborated with fellow interns to develop an automated business service mapping system for clients in ServiceNow using Javascript, leading to a six-month extension of my internship due to exemplary performance.

## EDUCATION

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### Eastern Michigan University

B.S. in Computer Science

Apr 2022

Ypsilanti, MI

## SKILLS & LANGUAGES

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- Programming: Java, Python, C#, HTML, CSS, JavaScript, PHP, SQL, C, C++, OOP, BDD
- Testing : Selenium, Cypress, TestNG, Cucumber, Maven, Jira, Qtest, BrowserStack, Applitools, Axe
- Tools: Git, Jenkins, Eclipse, ServiceNow, Jira, Postman, Cloudflare, Generative AI Prompt Engineering
- Spoken & Written: English (Native/Bilingual), Arabic (Native/Bilingual)