

Karam El-loh

Dearborn, Michigan - 48126

kelloh@umich.edu | (313) 737-2170 | <https://www.linkedin.com/in/karam-el-loh-0706b7164/>

EDUCATION

2019-2021 **UNIVERSITY OF MICHIGAN - DEARBORN**
Master's in Software Engineering; GPA: 3.85

2015-2019 **UNIVERSITY OF MICHIGAN - DEARBORN**
Bachelors of Science in Engineering and Computer Science - Software Engineering; GPA: 3.98

EXPERIENCE

2019-present **FORD MOTOR COMPANY** **DEARBORN, MI**
ANDROID DEVELOPMENT TEAM- FORDPASS

FordPass® is an application that monitors & controls Ford vehicles. The application helps users remote-start, stop or unlock their vehicle, find nearby gas stations and parking spaces, check oil life, gas levels & more.

SENIOR ANDROID DEVELOPER 2022 - PRESENT:

- Created a sophisticated automated endpoint testing tool that facilitated the FordPass team in swiftly identifying and resolving endpoint failures, gradually replacing the existing manual approach.
- Led the complete modularization of 3 FordPass features that resulted in a 25% faster build team for these features.
- Migrated a number of critical FordPass features to JetPack Compose which led to a 30% decrease in LOC.
- Supported critical features used by millions of customers to ensure a low defect rate (< 5 defects per year)
- Responded to customer tickets and ensured customer issues were resolved in a timely manner
- Onboarded and mentored two team members and helped them get familiar with the codebase
- Ensured that only the highest quality code is published by constantly reviewing code being committed.

ANDROID DEVELOPER 2019 - 2021:

- Developed vehicle productivity features for the latest generation of the Ford F-150 vehicles. Collaborated with different stakeholders to ensure the timely delivery of these features with minimal defects (< 10 to this date)
- Led the FordPass team's mastery of reactive programming by holding 20+ presentations on RxJava (50% of the codebase) to all Android developers of FordPass (40+), which significantly reduced the number of issues that happen due to poorly written code.

Accolades and Accomplishments

- Received a Recognition Award for demonstrating leadership behaviors aligned with creating the future of Ford. (Only one person chosen each quarter)
 - Biggest contributor to the FordPass source code..
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PROJECTS

- **Senior Design I/Senior Design II:** Created an Android ride-share application for University of Michigan - Dearborn teachers and students alike. The application used numerous Google APIs to deliver its functionality. Recipient of the second place award in the Senior Design competition.
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PERSONAL

- Skills: Kotlin, RxJava, Coroutines, Android, Pair Programming, Retrofit, Mockk Java, Python, Git.
- Fluent in English and Arabic.
- Enjoy learning about various web technologies, including HTML, CSS, JavaScript, React.
- Avid user of competitive games such as Dota 2 (previously ranked among the top 5 best players in the UAE).