

# MATTHEW DUROCHER

+1(231)649-2655 ◇ Farmington Hills, MI

[durocma@umich.edu](mailto:durocma@umich.edu) ◇ [linkedin.com/in/matthew-durocher/](https://www.linkedin.com/in/matthew-durocher/) ◇ [durocma05.github.io/personal-website/](https://durocma05.github.io/personal-website/)

## EXPERIENCE

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### Associate Software Engineer

Robert Bosch

July 2023 - present

*Farmington Hills, MI*

- Redesigned and re-implemented a fleet management dashboard that allows users to intuitively track GPS locations and various sensor measurements for trailers in a variety of languages
- Led a migration of a legacy React codebase to React Native to allow for a separate fleet management software to be used on iOS and Android devices
- Collaborated with the back-end, legal, and management teams to ensure user interfaces were able to efficiently pull from multiple APIs, give the end user proper cookie management capabilities, and fit the proper requested requirements

### Software Engineer Intern

Robert Bosch

Jan 2023 - June 2023

*Farmington Hills, MI*

- Gathered requirements, designed wireframes and prototypes, and developed both front-end and back-end MVPs for fleet management software that handled vehicle tracking, PDF generation, and a variety of other metrics
- Provided AWS cost estimates for migrating the back-end of the fleet management dashboard to the cloud
- Completed market research on fleet management software to identify where Bosch could develop unique selling points and stay competitive
- Explored possibilities of how Bosch could incorporate a wide range of artificial intelligence products and capabilities into its fleet management solutions

## PROJECTS

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**Money Navigator App** - Created a smartphone app to help users set financial goals (such as paying off a loan, saving for retirement, etc.) and then breaking down these goals into smaller milestones to reach on a consistent basis based on their income, savings rate, etc. The app also teaches users financial terminology relevant to their current goal. Utilized React Native w/ Expo Go for the front-end, Node w/ Express for the back-end, and MongoDB for the database.

## EDUCATION

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**Bachelor of Science (Economics & Computer Science)**, University of Michigan

Dec 2022

*Relevant Coursework:* Web Systems, Computer Security, User Interface Development, Machine Learning, Software Engineering, Extended Reality and Society, Data Structures and Algorithms, Game Theory, Econometrics

## TECHNICAL SKILLS

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### Languages/Frameworks

JavaScript, Typescript, HTML, CSS, React, React Native, Node.js, Express.js, Python, Flask, Jinja, SQL, MongoDB, C, C++

### Libraries

Redux/Redux Toolkit/RTK Query, React Router, PrimeReact, Leaflet, i18next, Jest, React Testing Library, jQuery

### Miscellaneous

Azure DevOps, Expo Go, npm, Vite, Git, Figma, OAuth 2.0, Agile, Unreal, Unity, AWS (Cloud Practitioner certified), Excel, Jira, LaTeX, Shell scripting

## ABOUT ME

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- Limited working proficiency in German
- Hobbies include Jiu-jitsu, Muay Thai, cooking/trying new foods, traveling, hiking, and reading