

# Yuto Omachi

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## Education

### University of Toronto

Sep. 2019 – April 2024

Honors Bachelor of Science, Computer Science Specialist, Statistic Major GPA: 3.55/4.0

### Awards

- **Dean's list (2019, 2020, 2021, 2022):** Cumulative GPA of 3.5 or higher after completion of a year

## Work Experience

### General Motors

Jan 2023 – August 2023

*Software Engineer, Map Data Tools Team*

*Markham, Ontario*

- Designed and implemented the rewrite of the Google Automotive Service (GAS) tool from Python to C# using the **.NET framework**. This transition yielded a **95% reduction in total processing time** achieving significant optimization and enhanced performance.
- Successfully led the project migration of the GAS tool from an internal team at General Motors, ensuring a smooth transition and uninterrupted operation.
- Built **Docker** file and **Jenkins** scripts to automate Jenkins builds, enabling instant build triggering upon code commits to working branches, thereby streamlining the development and testing processes.

### RideFlag Technologies Inc.

May 2021 – December 2021

*Software Engineer, Mobile App Engineer (iOS, android)*

*Mississauga, Ontario*

- Developed the Beta version of the RideFlag SDK from the ground up for **iOS (Swift)** and **Android (Kotlin)**, positioning it for use by both the RideFlag mobile app and third-party applications.
- Presented the SDK's potential to senior developers and the CTO, illustrating its future utilization by third-party applications, which is projected to become 30% of the business revenue by 2025.

## Project (For more, please check out my GitHub at <https://github.com/YutoOmachi> )

### JustOnTime | React.js, Redux, Node.js, Express, MongoDB, mongoose

- Built full stack auction websites that specialized in event tickets such as concerts, sports events, etc.
- Created **RESTful APIs** using **Node.js** for creation and modification of events and networking features.
- Built frontend pages using **React.js** and redux from scratch to achieve a reusable and cohesive code base.
- Utilized Agile Methodologies, Git, and scrum meetings to work efficiently in a team of 5 developers.

### Football API | Spring Boot, Spring Security, JPA, PostgreSQL, docker

- Built a REST API providing comprehensive data on the English Premier League using **Spring Boot**.
- Using **JPA** and **Spring Security**, implemented a custom Filter that checks if the request includes a valid API Key to verify the request is coming from an authenticated user.
- Devised a secure API key generation service, enhancing user authentication and safeguarding endpoint.

### Score Tracker App | Swift, XCode, Figma

- Developed an iOS App using **Swift** from scratch that can record, save, and visualize the scores for games.
- Published on App Store and has 30k+ impressions with 2k+ installations with 100+ annual active users.

## Certifications

- **AWS Certified Cloud Practitioner** (Amazon Web Service)

## Technical Skills

**Language:** Java, C#, Python, Kotlin, Swift, JavaScript, HTML/CSS, SQL, C

**Developer Tools:** Git/Github, AWS, XCode, Postman, Docker, Jira, Figma, Jenkins

**Technologies/Frameworks:** Spring, .NET, Node.js, React, MongoDB, MYSQL, PostgreSQL, Neo4j