# Aaron Matharoo

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## SUMMARY


Resourceful and articulate young professional proficient in problem solving in new environments with major interest in Information Technology, specifically Software Development & Engineering.


## ASSETS

**Relevant Skills:** React, TypeScript/JavaScript (ES6), HTML5 & CSS (Preprocessors & Libraries), State Management (Redux, Context), Databases (PostgreSQL, NoSQL), Node.js & RESTful APIs, Version Control (Git, GitHub), Testing Frameworks (Jest), Expo SDK, React Native

## EDUCATION

**Wilfrid Laurier University (2018 - 2022)** **Waterloo, ON**

*Bachelor's Degree in Computer Science (with Environmental Science)*

- ***Coursework:*** Computer Programming & Networking, Data Structures, Spatial Data Visualization, Remote Sensing & Image Analysis, GIS & Aerial Technology Automation

## PROFESSIONAL EXPERIENCES

**City of Cambridge (Affordable Housing Project)** **Cambridge, ON**

*Web Developer* *September 2021 - May 2022*

- Amplified stakeholder involvement and ease of city officials decision making in Cambridge Housing Project resulting in the highest community engagement for a WLU Capstone Project ever.
- Communicated implications of housing solutions through developing web portfolio SPA built with React, TypeScript, and NoSQL CMS, streamlining component integration and image retrieval.
- Achieved equal opportunity for community engagement by focusing on WCAG 2.0 guidelines and device compatibility with responsive design, rendering images, text, and embedded PDF's.

**WLU Blueprint Magazine (Art Magazine)** **Waterloo, ON**

*Front-end Developer* *September 2020 - July 2021*

- Delivered a 100% increase in art submissions for magazine and streamlined art review process by collaborating with Back-end Developer, designing system enabling world-wide art submissions.
- Optimized exisiting code base and site performance by 15% as per benchmarking tools, using React, Tailwind, RESTful APIs & Node.js to create fully functional components and custom UI.
- Instrumental in the success of site updates & new publications by handling requests to database, participating in daily meetings, reporting to Chief Editor, and engaging with the Blueprint Team.

## PROJECTS

**RideCaller** **Remote**

*App Developer & Full Stack Software Engineer* *July 2022 - Current*

- Increased conversion rates for limo businesses & chauffeur services through conception and development of cross-platform marketplace app using React Native, Expo, and PostgreSQL.
- Enhanced client retention and lead generation via tailored real-time messaging between parties and booking/notification system, complimented by custom UI for business analytics & appointments.
- Ensured widespread user accessibility by prioritizing cross-platform functionality for both Android & iOS while adhering to stringent App Store and Play Store Development Guidelines.
- Optimized communication and payment processing efficiency using Stripe API, while improving reliability via rigorous Jest & Postman testing, continuing operations with new advanced features.