

SKILLS

- Languages: Javascript, HTML/CSS, C++, MATLAB, Python, C#
- Frameworks and Libraries: React.js, Next.js, Tailwind, Axios.js, Material-UI, .NET
- Tools: Git, Solidworks, Confluence, Excel

PROJECTS

- **React Google Map web application:** <https://github.com/notzree/uwfoodmap>
 - Utilized **React.js** and **Material UI** to develop mobile-responsive single-page application to display nearby restaurants.
 - Constructed HTTP requests using **Axios.js** from **google-maps API** and **Rapid API** to display restaurant and map data
- **Market Research Project:** <https://tinyurl.com/RichardZhangIA>
 - Investigated efficiency of Richmond Hill Muay Thai Club's below-the-line marketing techniques
 - Surveyed **50+** club members to determine existing client touchpoints
 - Implemented social media marketing strategies that increased their website clickthrough rate by **16%**
- **Business Management EE:** <https://tinyurl.com/richardzhangBM>
 - Analyzed the business strategies of Loblaws using the **BCG Matrix** and **Ansoff's Matrix framework**
 - Utilized force field diagrams and broke down their marketing mix.
 - Composed a 4000 word essay to convey the fascinating workings behind the Loblaws Business

EMPLOYMENT AND VOLUNTEER EXPERIENCE

Member	uWaterloo Alternative Fuels Team	October 2022 – present
<ul style="list-style-type: none">– Utilized MATLAB and SIMULINK to model and develop lateral advanced driver assistance systems.– Researched constant radius turning models using SIMULINK.– Collaborated with teams of developers to update and maintain the club website using React.		
Grade representative	International Baccalaureate Council	October 2021 - June 2022
<ul style="list-style-type: none">– Led the development of program-specific tutoring and feedback sessions for diploma final projects through bi-weekly meetings– Increased average participating student grades by 15% compared to draft predicted grades		

EDUCATION

University of Waterloo	Waterloo, ON	Sept 2022 – April 2027 (Expected)
<ul style="list-style-type: none">• BaSc in Systems Design Engineering• Relevant Coursework: Digital Computation Introduction to Design Linear Algebra Calculus I		

CLUBS

- **Clubs:** University of Waterloo Alternate Fuel Team, University of Waterloo Muay Thai