

Steven Tohme

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Education

Bachelor of Computer Science & Bachelor of Business Administration

Waterloo, ON, Canada

WILFRID LAURIER UNIVERSITY

Sep. 2020 - Present

- President's Gold Scholarship - [\$5,000 annually]
- **Relevant Course Work:** Data Structures, Algorithm Design, Object-Oriented Programming, Databases, Operating Systems, Artificial Intelligence

Work Experience

Ford Motor Company

Ottawa, ON, Ontario

SOFTWARE ENGINEER INTERN

Jan. 2023 - May 2023

- Designed and implemented a tool using **Python**, **JavaScript (Electron)**, and **Bootstrap** for creating and managing Software Announcement Documents (SWAD), which are used to track part numbers **across the organization**
- Streamlined the management of vehicle information by developing an automated system that seamlessly integrated data from various databases into **Confluence** pages

Ford Motor Company

Oakville, ON, Canada

GOVERNMENT RELATIONS ANALYST

Apr. 2022 - Sep. 2022

- Developed a forecasting model to accurately forecast electric vehicle segmentation, using **Bass modeling** and **linear regressions**
- Presented insightful findings and actionable recommendations to the **CEO** and **executives** regarding Canada's EV targets, demonstrating exceptional **communication** and **leadership** skills
- Conducted rigorous internal controls testing (**GRC**) to ensure compliance with policy and regulations

Extracurricular Experience

Laurier Computing Society

Waterloo, ON, Canada

TECHNICAL CONTENT PRODUCER & HACKATHON PROJECT COORDINATOR

Jan. 2022 - Present

- Coordinated **400+** students in a month long hackathon-style program with University of Waterloo's Computer and Data Science clubs
- Created and presented bi-weekly computer science review sessions for an average of **50** first year students
- Created and managed **React**, **Django** & **Git** workshops for **300+** students

Projects

Lossless Text and Image Compression Algorithm

Waterloo, ON, Canada

ALGORITHM DESIGN, COMPRESSION, IMAGE/TEXT PROCESSING

Jan. 2023 - Mar. 2023

- Utilized the theory of **Huffman Coding** to reduce file size by an average of **80%**
- Individual pixels/characters are compressed to smaller 'codes' based on frequency using **bit-wise arithmetic**

Healing Hands Medical Landing Page

Vaughan, ON, Canada

REACT, TYPESCRIPT, WEB DEVELOPMENT, FRONT-END

Feb. 2023 - Mar. 2023

- Designed and implemented landing page for local medical center, decreasing patient booking time by **200%**
- Implemented using **TypeScript** and **React**, deployed using **Firebase**

Ballon d'Or Predictor

Toronto, ON, Canada

MACHINE LEARNING, DATA ANALYSIS, DATABASES

Apr. 2022 - Present

- Developed a web scraper using **Python**, **BeautifulSoup**, and **Requests** to extract data from FBref.com, stored in **MongoDB Cloud**
- Analyzed and cleaned scraped data using **Pandas** and **Matplotlib** to ensure its relevance
- Utilizing **scikit-learn** to create predictive models that accurately predicts award winners in the test data

IAI CoLab

Waterloo, ON, Canada

MACHINE LEARNING, DATA ANALYSIS, RESEARCH

Mar. 2022 - Present

- Developed a **VS Code extension** to collect user data and interactions with lessons for different skill levels
- Collaborating with a team of researchers at the **University of Toronto** to analyze and use the collected data to train a **ML model**
- Designing a tool that curates computer science lessons based on user input of subject, skill level, and other metrics

Skills

Languages

Python, C/C++, JavaScript/TypeScript, Java, HTML/CSS

Libraries/Frameworks

React, Electron, Django, scikit-learn, Pandas, NumPy, Three.js

Tools

Git/Github, Firebase, MongoDB, Jira, Confluence, Jenkins, npm, Yarn, \LaTeX , Docker