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**
- Sped up SWAD creation by **800%** and eliminated manual input errors
- 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 DEVELOPMENT *Feb. 2023 - Mar. 2023*

- Designed and implemented landing page for local medical center, decreasing patient booking time by **200%**
- Designed using **Figma** and 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 an **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, Figma