

# Tyra David

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<https://tyradavid.github.io/>

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## EDUCATION

**McGill University** – Desautels Faculty of Management, Montreal, Canada

2019 - 2021

*Bachelor of Commerce, Business Analytics and Information Systems, CGPA: 3.97/4.00*

- *Relevant Courses:* Data Handling & Coding, Business Intelligence & Data Analytics, Advanced Business Statistics, Systems Analysis & Modelling, Data Mining for Business Analytics, Stat. Foundations of Data Analytics, Foundations of Decision Analytics, Design & Design Thinking

**McGill University** – Faculty of Engineering, Montreal, Canada

2018 - 2019

*Bachelor of Engineering, Major in Mechanical Engineering, CGPA: 3.97/4.00*

*Awards:*

- Golden Key International Honour Society for top 15% of the academic program
- Faculty of Engineering Scholarship for students in the top 5% of the faculty
- Dean's Honour List for top 10% of the faculty
- Abe & Jennie Brock Award to a student in Mech. Eng

**Vanier College**, Montreal, Canada

2016 - 2018

*Diploma of College Studies, Major Pure and Applied Science*

- Dean's Honour Roll for maintaining an average of above 90%

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## WORK EXPERIENCE

**YMCA Cartierville & YMCA du Parc**, Montreal, Canada

May 2019 - Present

*National Lifeguard Instructor, Lifesaving Instructor & First Aid Instructor*

- Designed and communicated creative, adapted lessons and workshops for groups of 12 candidates, expanding their comprehension and interaction
- Identified underlying concerns with candidate comprehension, provided personalized feedback, and made inclusive, objective, evidence-based decisions aligned with class values, generating a high candidate success rate (100% in National Lifeguard)

**Dollard-des-Ormeaux Aquatic Association**, Dollard-des-Ormeaux, Canada

June 2016 - April 2019

*Aquatic Supervisor, Lifesaving Instructor*

- Collaborated in a team of supervisors to manage group dynamics and train 50 employees by demonstrating leadership and mentorship to enhance mastery of skills
- Made managerial decisions to ensure a positive customer service experience and resolve conflict, maximizing customer enjoyment while minimizing risk of injury

**Vanier College**, Montreal, Canada

January 2018 - May 2018

- *Probability and Statistics In-Class Teaching Assistant/English Second Language Peer Teacher:* Coached and assisted 40 students in the completion of their assignments and final science graduation project by simplifying concepts, while working under the professor's guidance

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## LEADERSHIP AND EXTRACURRICULAR

**McGill University**, Montreal, Canada

September 2019 - Present

- *McGill Artificial Intelligence Society:* Selected from 100 applicants to participate in Accelerated Introduction to Machine Learning, an intensive, 10-week bootcamp which teaches ML through lectures, assignments, and a final project presented at McGill AI Project Fair
- *MAIS Hacks:* Participant in a 24-hour AI hackathon with the goal of building an application to overcome challenging societal problems.
- *Desautels Management Leadership Seminar:* Participant in a 24-hour strategy case competition with the goal of solving a sustainability business challenge and presenting findings in front of a panel of judges.
- *McGill Symphonic Band Club:* Plays clarinet in a high-level, extra-curricular orchestra and assists the team in the organization of fundraisers

**Concordia University**, Montreal, Canada

September 2019 - Present

- *John Molson Supply Chain and Business Tech Assoc.:* Participant of Python and R workshops, Supply Chain and Project Management panels, Huawei's "Data, Operations, & Technology" Conference, providing me with hands-on skills and insight into the business technology industry

**Lifesaving Society**, Montreal, Canada

December 2017 - Present

- Volunteers to evaluate future Canadian National Lifeguards, certifying candidates to assume the role as a lifesaver to prevent water-related incidents
- Recruits several volunteers and holds workshops for the public to promote and educate on water safety as a part of National Drowning Prevention Week

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## PROJECTS

**Predictive Analytics: Impact of Potential New Legislation on Airbnb Availability in Montreal**

*McGill University*

- This project examined and graphed Airbnb data from large North American cities to predict how Airbnb activity in Montreal can be impacted by potential new gentrification legislation. I compared Montreal to NYC by creating visualizations in Tableau and using analytical insight to draw parallels and make predictions.

**Machine Learning: Predicting the Success of Kickstarter Projects**

*McGill University*

- This project creates a prediction model that evaluates which factors of a Kickstarter campaign influence their success rate the most to predict if a current Kickstarter project succeeds to be funded. I programmed and visualized features of Kickstarter in Python and provided the final model for predictions.

**Smart Shopping**

*Microsoft's Discover AI Challenge: Smarter and Sustainable Economies*

- This project explores how retail can use AI and analytics to provide efficient, personalized retail experience, while optimizing and improving sustainability in the supply chain.

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## SKILLS AND INTERESTS

**Language Skills:** Fluent English and French, written and oral

**Computer Skills:** Tableau, Power BI, Python (data science libraries), SQL, R, MS Project, Advanced Excel, MS Office, Access, Minitab, MATLAB, SolidWorks, C

**Interests:** Instrument playing: Clarinet, Piano, Kayaking, Hiking, Biking, Swimming, Baking, Painting