Harry B. Michell

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EDUCATION

Bachelor of Arts (Honours), Computer Science and Philosophy   Expected May 2025

Queen's University, Kingston, ON

- Coursework in Data Structures, Nonlinear Optimization, Ethical Theory, Analytic Philosophy, and Artificial Intelligence.

PROFESSIONAL EXPERIENCE

Arteria AI | *Student Intern*   May - July 2023

- Evaluated document-parsing AI model performance for speed and accuracy and provided insights for enhancement.
- Cleaned and curated data sets, ensuring data quality for model training and testing. This included tasks such as removing duplicates, handling missing data, and data standardization.
- Conducted market and industry research in the FinTech, NLP, and smart documentation spaces, delivered findings and recommendations to executives.
- Collaborated with cross-functional teams to implement data-driven solutions, contributing to the overall improvement of AI model accuracy and efficiency.

Camp Arowhon | *Senior Counsellor*   June - August 2021; 2022; 2023

- Ensured the physical and mental well-being of male-identifying campers aged 13-15 at all times while fostering individual camper growth and inclusivity.
- Effectively resolved challenges such as homesickness, conflict between campers, and bullying in collaboration with fellow staff members in a dynamic camp setting.
- Designed and implemented a range of engaging and educational camp activities, enhancing the overall camper experience and promoting personal development.
- Awarded "Counsellor of The Year" in summer 2022 among 60+ counsellors for counselling excellence.

EXTRACURRICULAR EXPERIENCE

QMIND | *Design Team Member, AI Research*   Oct 2023 - Present

- Contributor to an AI research Design Team in Canada's largest undergraduate AI and machine learning organization.
- Conducting research and model implementation using the Microsoft COCO data set to compare the use of Transformers and Recurrent CNNs in generating image-to-text caption generation, with intent to present results in a paper at CUCAI - The Canadian Undergraduate Conference on Artificial Intelligence.
- Aiming to improve automatic alt text generation, with the goal of aiding visually impaired users and enhancing content moderation on social media platforms.

Queen's Data Analytics Association | *Senior Project Manager*   April 2023 - Present

- Oversee five project managers and their teams while they build and develop statistical and machine learning products and tools.
- Provide constructive feedback and ensure adherence to deadlines and quality standards while fostering a nurturing and educational environment.
- Present lectures about various topics in data analytics, with recent lectures including introductory binary classification, data pre-processing, and Kernel PCA, thereby contributing to the knowledge and skills development of our members.
- Contribute to a year-long education program, dedicated to enhancing the data analytics skills of our members and equipping them for success.

SKILLS AND INTERESTS

Programming Languages: Python, R, SQL, Java, MATLAB, Julia.

Tools and Software: PyTorch, scikit-learn, dplyr, ggplot2, Pandas, NumPy, Transformers, LaTeX.

Interests: Piano (13 years, diploma level), composition, self-studying math, the outdoors, canoe tripping, exploring art.