

JORDAN SIWAK

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EDUCATION

Queen's University, Smith Faculty of Engineering and Applied Science

Kingston, ON

Bachelor of Applied Science in Engineering, Mathematics and Computer Engineering

Graduating May 2026

- **Relevant Coursework:** Data Structures, Algorithms, Advanced Data Analytics, Advanced Calculus, Software Development, Statistical Learning, Database Management Systems, Engineering Business Practice
- **Awards:** Excellence Entrance Scholarship, Alexander Rutherford Scholarship, Red Deer Minor Hockey Scholarship

Queen's University, Smith School of Business

Kingston, ON

Certificate in Business

Graduating May 2026

- **Relevant Coursework:** Business Fundamentals, Financial Accounting, Economics, Finance, Entrepreneurship

EXTRACURRICULAR EXPERIENCE

Queen's Quantitative Finance Club (QUANTT)

Kingston, ON

Quantitative Analyst

September 2023 – August 2024

- Developed a moving averages crossover algorithm using Python to test long positions across multiple stock market sectors
- Conducted historical back-testing and a grid search to optimize short-term and long-term moving average windows
- Achieved a 20.16% annualized return on a diversified portfolio, highlighting models' sector-specific performance and enhancing risk-adjusted returns

Queen's Artificial Intelligence Club (QMIND)

Kingston, ON

Project Manager

May 2022 – August 2023

- Led an AI design project comprised of 5 undergraduate students, developing a machine learning model in Python to predict NHL free agent salaries, incorporating 15 player advanced statistics as features
- Implemented gradient boosting regression using Python libraries such as Pandas, NumPy, and Sci-kit Learn to analyze and predict contract values, achieving a Mean Absolute Percentage Error (MAPE) of 11.7%
- Developed a user-interactive program that takes in player statistics as input and generates a predicted contract value based on the trained model, presenting project results at the Canadian Undergraduate Conference on AI (CUCAI) in 2023

Queen's Artificial Intelligence Club (QMIND)

Kingston, ON

Technical Consultant

September 2021 – May 2022

- Partnered with WaiveTheWait to provide reporting and analytics for local healthcare clinics
- Responsibilities included data cleaning and developing visuals and dashboards for actionable insight
- Communicated with the client weekly to align on goals and deliverables
- Presented project results at the Canadian Undergraduate Conference on AI (CUCAI) in 2022

WORK EXPERIENCE

Lululemon

Kelowna, BC

Educator

May 2023 – August 2023

- Consistently achieved and exceeded monthly sales targets through personalized guest interactions and strong product knowledge
- Built strong customer relationships, delivering high-quality product education and tailored recommendations to guests
- Supported efficient store operations by managing inventory and maintaining merchandising standards

TBS Sports Excellence

Red Deer, AB

Hockey Development Coach

September 2020 – August 2022

- Led on-ice hockey training sessions for 100+ students, ages 5-17, enhancing skill development and engagement
- Provided personalized equipment fitting services for hockey school clients and walk-in customers
- Certified Bauer equipment fitter; participated in regular meetings with Bauer representatives on new product releases

TECHNICAL SKILLS

- **Technologies and Programming Languages:** Excel, Python, C++, SQL, HTML, MATLAB, Power BI, Tableau, GitHub
- **Online Certificates:** Python for Data Science and Machine Learning, Business Data Analysis with Microsoft Excel and Power BI, Quantitative Finance with Python
- **Interests:** Golf, snowboarding, traveling and geography, wake surfing, played competitive hockey for 10+ years