

DAVID ALTROWS

david.altrows@queensu.ca | +1 (613) 305 3283 | 419 Earl Street, Kingston, ON |

EDUCATION

Bachelor of Applied Science, Biomechanical Engineering, Queen's University, Kingston, ON **2016 – 2021**

- GPA: 3.65; excelled in Data Analysis(A+), Numerical Methods(A+), Computer Programming for Engineering(A+)
- Recipient of the Dean's List Scholarship, William Coombs Baker Memorial Prize, Cameron Applied Science Scholarship
- Trusted as teaching assistant for Mechatronics MECH217 course

Certificate in Business/Commerce, Smith School of Business, Queen's University, Kingston, ON **2017 – 2021**

- Includes Courses: Financial & Managerial Accounting, Finance, Organizational Behavior, Marketing

EMPLOYMENT EXPERIENCE

Engineering Intern, Heat Transfer Solutions, Whitby, ON **Summer 2020**

- Contributed to design of mechanical systems and equipment for numerous Ontario construction projects
- Built versatile spreadsheets to compare and highlight costs and features of mechanical design alternatives
- Responsible for providing consultancy services to leading Canadian engineering firm on a midsized local project

Entrepreneurship Intern, Dunin-Deshpande Queen's Innovation Center, Kingston, ON **Summer 2019**

- Completed 3 weeks of the Queen's MBA bootcamp, alongside masters of entrepreneurship students
- Collaborated with experienced advisors, accountants, legal staff, and partnership team to successfully plan, finance, and grow an adaptive-clothing business venture
- Developed and negotiated supply chain relationships for organization's first product offering
- Successfully secured \$14,000 in seed funding from the DDQIC pitch competition

Engineering Intern, Corporation of the City of Kingston, Kingston, ON **Summer 2018**

- Contributed to an official plan guiding the City Council in its decisions about how municipal land should be used, grown and changed over a 20-year horizon
- Performed data analysis using the city's datasets to draw insights pertaining to cycling activity in Kingston
- Reviewed and summarized literature on the impact of vehicle emissions

Lifeguard Team Supervisor, City of Kingston Aquatics, Kingston, ON **Summer 2017**

- Led 4-person guard team to respond to time-sensitive emergencies and successfully communicated with first responders
- Delegated daily tasks and worked alongside guard team to ensure timely completion
- Promoted from previous position of Lifeguard and Swim Instructor (2015 – 2017)

EXTRACURRICULAR & LEADERSHIP EXPERIENCE

Queen's Formula SAE Design Team, Queen's University, Kingston, ON **2018 – 2020**

- Created and implemented change management software for controlling modifications on 2020 car design
- Designed parametric CAD model of vehicle's rear wing using Catia
- Learned and applied CFD analysis fundamentals to determine optimal airfoil combinations

Project Manager, Queen's University Experimental Sustainability Team, Kingston, ON **2017 – 2019**

- Planned and executed events such as: P&G 2019 sustainable business pitch competition
- Led development of financing plan for 2019 and onwards, alongside creating comprehensive budget spreadsheet

ADDITIONAL INVOLVEMENT & ACCOMPLISHMENTS

- **Competitions:** Finalist in Commerce and Engineering Environmental Case Competition, Finalist in Queen's Sustainable Innovation Competition, Competitor in Deloitte Elevator Pitch Competition, Competitor in QHACKS
 - **Recent Courses:** Kaggle - Machine Learning Course Series, Deeplearning.ai - NLP in TensorFlow, BIWS - Accounting and Financial Modeling, Microsoft - Azure Fundamentals
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