Cameron Beneteau

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EDUCATION

McMaster University   **Hamilton, ON**
Bachelor of Mechatronics Engineering and Management Co-op (B.Eng.Mgt.)   *Expected Graduation April 2025*
–   **Academics:** Cumulative GPA of **4.0/4.0**.
–   **Awards:** Deans' Honour List, Golden Key International Honour Society (**class top 15%**), McMaster Entrance Scholarship (**$1000**).
–   **Coursework:** Finance (A+), Managerial Finance (A+), Macroeconomics (A+), Microeconomics (A+), Probability & Statistics (A+), Engineering Mathematics I – IV (A+), Data Structures & Algorithms (A+), Software Development (A), Operating Systems (A), Dynamic Models and Control Systems (A), Signals and Systems (A+), Predictive & Intelligent Control (A+).

PROFESSIONAL EXPERIENCE

Royal Bank of Canada (RBC) Global Asset Management   **Toronto, ON**
Quantitative Developer Intern, Quantitative Investments   *May 2024 – August 2024*
–   Optimized **MATLAB** and **Python** backtest frameworks by **reducing processing times by 95%,** enabling the research team to access critical market insights before opening hours, which improved decision-making speed and accuracy for portfolio managers.
–   Streamlined research systems by migrating workflows from ActiveBatch to **Apache Airflow** and automating processes with Python, including **automatic deployments** across environments, increasing efficiency in running custom research jobs across data sources.
–   Developed **machine learning** ETL pipelines on AWS using **SageMaker**, enabling accelerated alpha research by processing and evaluating quantitative factors utilizing machine learning models such as **Gradient Boosted Trees** and **Neural Networks**.

Caseware   **Toronto, ON**
Software Developer Intern, Development Success   *September 2022 – April 2024*
–   Owned development of a **feature flag library** with **Angular**, **NestJS**, and **DynamoDB**, allowing developers to seamlessly toggle software features, improving deployment flexibility, and mitigating risks with downtime, outages, and on-call bug fixing.
–   Created streamlined Windows and Mac setup scripts for local developer environments, **reducing onboarding time by 99%**.
–   Reduced pipeline wait times from **10 minutes to 10 seconds**, cutting GitHub runner costs and boosting developer productivity.

Royal Bank of Canada (RBC) Capital Markets   **Toronto, ON**
Software Developer Intern, Quantitative and Technology Services   *May 2022 – August 2022*
–   Won **1st place** in algorithmic trading competition using Python and Backtrader by creating an algorithm and strategy presentation.
–   Enhanced full stack features using **JavaScript** and **jQuery**, growing website engagement to over **60,000 unique daily page views**.
–   Modified back-end processes, resulting in a **50% reduction in time** spent on publishing tasks for authors and developers.

CenterLine (Windsor) Limited   **Windsor, ON**
Software Developer Intern, Mechatronics Division   *May 2021 – August 2021*
–   Revamped ordering application using **React** and **TypeScript**, improving efficiency and scalability for over 1000 orders per day.
–   Optimized back-end queue processes using SQL and Visual Basic, **decreasing user wait times from hours to seconds**.
–   Engineered **REST APIs** to extract data in an efficient manner, improving user experience and data visualization techniques.

EXTRACURRICULAR EXPERIENCE & PROJECTS

DeGroote Finance & Investment Council (DFIC)   **Hamilton, ON**
Portfolio Manager, Previously: Quantitative Analyst, Quantitative Strategies   *September 2023 – Present*
–   Developed and implemented algorithmic trading strategies using Python and **QuantConnect**, focusing on pairs trading and moving average crossovers to achieve key performance metrics, including a **16.88% net profit and 3.98% compounding annual return**.
–   Led a team of analysts in designing and evaluating data-driven strategies, improving models through iterative backtesting to optimize performance indicators such as **Sharpe ratio**, **drawdown**, and **alpha**, while increasing overall profitability and reducing risk.

ProFinder Automation   **Windsor, ON**
Founder and Operator, linkedin.com/company/profinder-automation   *May 2021 – Present*
–   Created a SaaS product using **Python** and **Selenium** to automate outreach and lead generation for LinkedIn professionals, totaling over **30,000 proposal submissions**, **daily time savings of 2 hours**, and **$25,000+ in generated client revenue**.
–   Integrated **Amazon Web Services** (DynamoDB, EC2, CloudWatch) to drive scalability, optimize performance, and monitoring.
–   Translated client feedback into tangible enhancements, including improved analytics, personalized messages, and refined filters.

ADDITIONAL INFORMATION

–   **Programming:** Python, C++/C/C#, TypeScript, MATLAB, Java, R, SQL, HTML/CSS, Bash.
–   **Tools:** Angular, React, Amazon Web Services (S3, DynamoDB), NodeJs, MongoDB, Docker, Terraform, Selenium, Jest, Linux.
–   **Concepts:** Algorithmic Trading, Cloud Computing, Databases, Distributed Systems, Data Structures & Algorithms, OOP/OOD.
–   **Activities:** McMaster Rocketry, McMaster Engineering Competition, Hack the North, DeltaHacks, IMC Trading Challenge.
–   **Interests:** Quantitative Finance, Cryptocurrencies, Machine Learning, Hockey, Golf, Speedcubing, Formula 1.