Callum McIntyre

[LinkedIn](#) | callummmcintyre@gmail.com | [Github](#)

EDUCATION

QUEEN'S UNIVERSITY, 4.24 GPA   KINGSTON, ON
Bachelor of Computing (Honours), Option in Fundamental Computing, Minor in Economics   *Sep 2023 – Present*

EXPERIENCE

Data Analyst Intern   May 2025 – Aug 2025
Avant Communications   *Remote*
- **Automated commission statements** by processing and reconciling **600,000+** Excel rows using **Python** and **Pandas**, eliminating manual effort and improving statement accuracy
- Built an internal **Azure Python package** for reusable data utilities and pipeline tasks, including storage clients, auth helpers, and service bus clients, to standardize workflows and speed up development
- Created configurations to sync the Operational Data Store (ODS) via **Azure Blob Storage**, pulling data via the **APIs** of **Salesforce**, **RPM**, and **Sage Intacct** to maintain reliable, versioned landing zones
- Created **SQL queries** in the data warehouse to perform scheduled monthly updates to keep datasets current for reporting and analysis

Analyst Intern   June 2024 – Aug 2024
Avant Communications   *Remote*
- Implemented and designed complex commission plans in **Salesforce Spiff**, automating end-to-end calculations and real-time statements to eliminate manual spreadsheets and reduce errors
- Integrated data from **Salesforce and Excel** sources to feed Spiff, building repeatable data flows and validations for accurate, audit-ready payouts
- Synchronized **opportunity data** and **quota targets**, enabling transparent, self-serve visibility for reps and managers in Spiff dashboards

OTHER RELEVANT EXPERIENCE

Co-Chair   Aug 2025 – Present
Queen's Sports Analytics Organization   *Kingston, ON*
- Led a **10** person executive team and **30** members to deliver analytics articles and projects by setting clear goals, timelines, and editorial standards to ensure **high quality** work
- Planned and coordinated a **QSAO case competition** and collaborated with Ontario university clubs through the **Ontario Universities Sports Analytics Coalition (OUSAC)** to deliver a cross–campus conference experience

Orientation Executive Member   Jan 2025 – September 2025
Queen's Computing Orientation   *Kingston, ON*
- Planned and executed a **four day** orientation program serving **200+** first year Computing students, coordinating logistics, schedules, and volunteers to ensure a welcoming start to university life
- Provided day to day leadership across a **cross functional** team by managing timelines, communications, and risk planning to deliver **inclusive, high energy** events that built community and connected students to campus resources

PROJECTS

Short-Term Predictability of NVIDIA Stock Returns in the AI Era
Time Series Forecasting · Statistical Modeling · Python
- Engineered an **analysis-ready financial time series** by using Python and Pandas to collect NVIDIA price data via `yfinance`, compute log returns, and asses stationary using **ACF-based diagnostics**
- Trained and evaluated **ARIMA forecasting models**, analyzed residuals and generated short-horizon forecasts with confidence intervals to assess predictive signal

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, C, LaTeX
Technical Tools: Machine Learning, Pandas, NumPy, Git, Azure, Salesforce, Excel
Coursework: Linear Data Analysis, Artificial Intelligence, Database Management, Algorithms, Data Structures, Discrete Mathematics, Econometrics, Computational Methods for Econ and Finance