

EMPLOYMENT

Technology Analyst	Citigroup	July 2022 – Present
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Institutional Clients Group (ICG) – Equities and Prime Business

- Member of the Decision Support Framework team that processes global, real-time exchange and news data to be used by S&T front office and prime finance customers.
- Worked on full-stack projects with kdb+ database integration, gaining deeper understanding of enterprise development, risk & control, and the software lifecycle.
- Implemented upgrades to Spring Boot projects after coordinating with product owners and senior developers. Took ownership of simultaneous global deployments, coordinating teams and access in regions ranging from North America to Asia Pacific.

Software Developer	DDMAL Lab	May 2021 – June 2022
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- Developed and implemented new features for a Django based workflow software that uses machine learning for optical music recognition and analysis.
- Co-led a team of 5 developers in an Agile environment with a focus on Python and JavaScript development.
- Drastically reduced development and deployment complexity by consolidating repositories and restructuring Docker builds. The project redesign I co-led resulted in legacy technologies being phased out, allowing us to more than quadruple the development team without losing task efficiency.

EDUCATION

Montreal, QC	McGill University	Fall 2018 – Winter 2022
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- B.A. in Computer Science and Political Science, 2022
- Undergraduate Coursework: Algorithms and Data Structures; Operating Systems; Programming Languages; Software Design; Discrete Structures; Data Science; Probability; Quantitative Political Science; Conflict Simulation
- Editor-in-Chief at CRG Review; Associate Editor at the McGill Pre-law Review

TECHNICAL EXPERIENCE

Projects

- **Brokerage Account** (2022). Full-stack webapp that simulates an equity trading account. Spring Boot backend with MySQL database, Python data processing and Angular frontend.
- **Internet Stock Picks** (2020). Aggregates market sentiment with a focus on retail investors. Node.js and NGINX backend, React.js frontend with Pandas data analysis and NoSQL data management through MongoDB
- **EU Data Analysis** (2019). Public policy analysis using polling data. Data processing, analysis, and visualization in R.

CERTIFICATES AND PROGRAMS

Corporate Finance Institute: Financial Modeling & Valuation Analyst

- 3 Statement Models; Business Valuation Modelling; Scenario & Sensitivity Analysis; Financial Planning and Analysis; M&A Modelling; Advanced Excel Formulas and Functions; Dashboard & Data Visualization; PowerPoint & Pitchbooks; Professional Ethics.

CFA Institute: CFA Level 1 Candidate

LANGUAGES AND TECHNOLOGIES

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- Java; Python; C; C++; SQL; kdb+/q; JavaScript; R; Bash/Linux
 - Spring Boot; Pandas; NumPy; TensorFlow; MySQL; PostgreSQL
 - Docker; Kubernetes; AWS; Jira; TeamCity; Continuous Integration