

Kemal Kongar

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WORK EXPERIENCE

Citi Toronto, Ontario
Technology Analyst July 2022 - Present

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 fintech 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.

DDMAL Lab Montreal, Quebec
Software Developer May 2021 - June 2022

- 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.
- Led a project redesign that resulted in legacy technologies being phased out, allowing us to more than quadruple the development team without losing task efficiency.

EDUCATION

McGill University September 2018 - February 2022
B.A. Computer Science and Political Science

- 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

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

- 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