

# WEIMING QUAN

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## EDUCATION

- **University of Toronto**, GPA:**3.46**/4.0, Toronto, Ontario Expected Graduation 2026
- *Honours Bachelor of Science* in Computer Science Specialist, Economics Major, Statistics Minor
- Relevant CS Courses: Intro to Artificial Intelligence | Algorithm Design and Complexity | Operating Systems | Software Design | Data Structures and Analysis | Computer Organization | Linear Algebra I
- Relevant ECON Courses: Intro to Financial Risk Management | Financial Economics | Microeconomic and Macroeconomic Theory | Money, Banking, and Financial Markets
- Relevant STATS Courses: Probability and Statistics I | Statistics with Applied Probability

## TECHNICAL SKILLS

- *Programming Languages*: Java, Python, C, C#, JavaScript, HTML, CSS, Bash, RISC-V Assembly, SQL, LaTeX
- *Framework / Library*: JavaFX, React, React Native, Node.js, Flask, Pytest, Twilio, OpenAI API, Pandas, Numpy
- *Other*: Git, Vim, Linux OS, RESTful, Tableau, Excel

## WORK EXPERIENCE (IMPACT)

**Independent Electricity System Operator**, *Data Analyst*, Toronto, Ontario May 2024 - present

- Engineered SQL queries and Tableau dashboards for 20+ years of Ontario energy data (i.e., market participant's resources, unit generation, offers, and bids), improving data access and analysis efficiency for senior analysts and providing clear visualizations for stakeholders to understand market trends
- Supported senior analysts in developing interactive monthly and annual reports on energy consumption and market trends in Ontario, providing registered market participants with detailed analyses of key events (e.g., emergency energy events) to inform strategy adjustments for improved economic efficiency
- Collaborated with cross-functional teams to support the Market Renewal Program (MRP), utilizing statistical models to predict market behaviors and inform strategic decisions
- Maintained comprehensive documentation of processes, key decisions, action items, and discussions from meetings, ensuring effective knowledge transfer, informed decision-making, and continuity in ongoing projects

**Code Ninjas**, *STEM Camp Teacher and Organizer*, Markham, Ontario Mar 2021 - Feb 2022

- Designed and delivered coding lessons using Tinkercad, Minecraft Modding, and Scratch for students aged 7-14, encouraging students to learn STEM in a fun and relaxing environment
- Supervised and coached students on coding projects, fostering problem-solving and leadership skills
- Organized and led STEM activities for over 50 students, ensuring a hands-on and engaging learning environment

## PROJECTS (LEARNING)

**Canadian Inflation Analysis**, Macroeconomic Theory and Policy, *ECO 202* Jul 2023 - Aug 2023

- Conducted research on Canadian fiscal policies and interest rate cuts to examine the correlation between Canadian inflation rates and the COVID-19 pandemic
- Collected and analyzed data from Bank of Canada reports, 20+ research articles, and 10+ Canadian economic factors
- Analyzed statistical and economic data using the Philips Curve model, IS-LM model, and AS-AD model

**StockthePast**, Software Design, *CSC207 — Java, JavaFX* Dec 2022 - Jan 2023

- Designed a Fintech Application for investment practice in a simulated stock market
- Utilized JavaFX to craft comprehensive data visualizations, effectively presenting intricate stock market insights
- Applied SOLID principles to ensure the application's reliability and scalability
- Streamlined collaboration using UML diagrams and Agile Scrum, eliminating redundancy and improving efficiency

**PUI Case Study**, Capital Management, *Club Project* Oct 2022 - Jan 2023

- Conducted in-depth research on over 10 power, utility, and infrastructure companies in Canada, gathering crucial financial data for analysis
- Analyzed multiple risk factors using collected data, enabling predictive assessments of future impacts
- Secured third place in the CM case study competition, demonstrating strong analytical skills and strategic insights in capital management