

Weiming Quan

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EDUCATION

University of Toronto, Honours Bachelor of Science 2021.9 - present

Computer Science Specialist, Economics Major, Statistics Minor. GPA: 3.46

- Admitted in PEY / Co-op Program
- 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

WORKING EXPERIENCES

Independent Electricity System Operator, Toronto, ON 2024.5 - present

Data Analyst

- Created complex queries and Tableau visualizations over 20+ years of Ontario energy data.
- Collaborated with senior analysts in drafting monthly and annual reports on the Ontario energy market.
- Contributed to the development of the Market Renewal Program (MRP).
- Documented key points during monthly meetings, ensuring accurate and comprehensive minutes.

Code Ninjas, Markham, ON 2021.3 - 2022.2

Tutor & STEM Camp Teacher and Organizer

- Tutored students (ages 7 - 14) in coding, for basic concepts through Tinkercad, Minecraft Modding, and Scratch
- Supervised and coached students during their coding program
- Organized and led STEM activities for 50+ students

Pierre Elliott Trudeau High School, Markham, ON 2021.1 - 2021.4

Leading Rep. in Esport Club

- Led over 100+ people in the Minecraft community, collected questions and concerns, and provided recommendations and solution
- Supported all operational matters relating to the Minecraft server including funding, administration, and events
- Organized Minecraft tournaments and developed rules and regulations

PROJECTS

Canadian Inflation Essay, UTM, ECO202 2023.7 - 2023.8

- Conducted research to prove a high correlation between the Canadian inflation rate and the COVID-19 pandemic
- Collected Bank of Canada reports during the pandemic, 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

CallGPT, DeerHacks — *Python, Twilio, Openai, Flask, Ngrok, React* 2023.4

- Developed an application to access ChatGPT through phone calls
- Implemented a server to integrate Twilio and OpenAI API using Ngrok
- Won 2023 DeerHack Most Creative Use of Twilio price

StockthePast, UTM, CSC207 — *Java, JavaFX* 2022.12 - 2023.1

- 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 for reliability and scalability
- Employed UML and Agile Scrum methodology

Credable, Hack the Valley 7 — *Python, Flask, HTML/CSS* 2022.10

- Developed a Google extension to determine the credibility of news articles

- Summarized 7500 articles and collected pivotal data for the supervised machine learning model
- Developed a promotional website to showcase the Google extension

SKILLS

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