Gary Wei | gary.wei@mail.utoronto.ca | +1 (647) 625-7191 | gxwei.ca

Relevant Skills

Programming	Packages/Tools	Research	Design	Interpersonal
• Python	• Git	• Data Analysis	• Iterative design	• Project Leadership & Coordination
• SQL	• Docker	• Semantic Analysis	• Agile design	• Advocacy
• JavaScript	• AWS	• NLP	• Stakeholder management	• Team-based communication
• C	• Django	• Numerical Simulation	• Requirement development	
• HTML/CSS	• Postgres			
• MatLab	• Databricks			

Experience

Forma.ai — Software Engineer (Internship) *May 2022 — Present*

Implemented caching layers in our SaaS platform to adapt to GitHub API, built and modified Docker containers and Databricks jobs to meet client requirements, optimized automation of cloud computing VM resource deployments, developed internal tools aimed at reducing developer involvement in enterprise client onboarding, and worked with customer operations teams to implement accessible functionality for efficient Django database management by users.

University of Toronto Cognitive Lexicon Lab — Research Student *May 2020 — Aug 2020*

Designed and built a Python-based computational linguistic data program to process text data from over 1.6 million English-language COVID-related news articles for extraction and analysis of semantic and linguistic trends.

University of Waterloo Multi-Physics Interaction Lab — Research Student *May 2020 — Aug 2020*

Developed and tested computational fluid dynamic simulations, collaborating with Professor Jean-Pierre Hickey and PhD Candidate researcher Jeremy Wang to validate analytical solutions to pressure and shockwave systems.

University of Toronto Aerospace Team — Avionics Engineer *Sept 2019 — May 2020*

Managed circuit and PCB design and assembly in a 4 student team to integrate an experimental avionics sensor system on small rocket flight; focused on reducing cost and weight while maintaining data integrity and accuracy.

Education

BASc in Engineering Science — University of Toronto *Sept 2019 — May 2024*

Specialization in Machine Intelligence in the Faculty of Applied Science & Engineering. Relevant coursework: algorithms & data structures, digital & computer systems, foundations of computing, systems software, computer security, relational databases, neural networks, artificial intelligence.

Co-Curricular Activity

Ethical Principles in Artificial Intelligence — Podcast Team Lead *Sept 2021 — Oct 2022*

Led a team of 7 students in researching topics in artificial intelligence and writing scripts to produce monthly, 30-minute podcasts aimed at providing approachable exposure to AI and its ethical aspects.

University of Toronto Engineering Society — First Year Director *Sept 2019 — Aug 2020*

Represented over 1500 students in the first-year undergraduate engineering student body on the University of Toronto Engineering Society board of directors.