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

Relevant Skills

Programming	Packages/Tools	Research	Design	Interpersonal
• Python	• NumPy	• Data Analysis	• Iterative design	• Project Leadership & Coordination
• C/C++	• SciPy	• Semantic Analysis	• Agile design	• Advocacy
• HTML	• scikit-learn	• NLP	• Stakeholder management	• Team-based communication
• CSS	• pandas	• Numerical Simulation	• Requirement development	
• MatLab	• nltk			
• Git	• json			

Education

- **BASc in Engineering Science — University of Toronto** Sept 2019 — May 2023
  Studying Engineering Science with a focus on Machine Intelligence in the Faculty of Applied Science & Engineering, cGPA: 3.46

  Relevant coursework: algorithms & data structures, digital & computer systems, probability & statistics, foundations of computing, signal analysis & communication, matrix algebra & optimization, introduction to machine learning, probabilistic reasoning, artificial intelligence

Experience

- **University of Toronto Cognitive Lexicon Lab — Research Student** May — Aug 2020
  Developed a computational linguistic data platform with Python to process textual data from over 1.6 million English-language news articles related to COVID-19 and analyse semantic and linguistic trends
- **University of Waterloo Multi-Physics Interaction Lab — Research Student** May — Aug 2020
  Worked with PhD Candidate researcher and other research intern to build computational fluid dynamic simulations and validate analytical solutions to pressure and shockwave systems
- **University of Toronto Aerospace Team — Avionics Engineer** Sept 2019 — May 2020
  Circuit and PCB design and assembly, experimental avionics sensor system integration on rocket flight. Focus on reducing cost and weight while maintaining data collection integrity and efficacy

Co-Curricular Activity

- **Ethical Principles in Artificial Intelligence — Podcast Team Lead** Sept 2021 — Present
  Leading a team of students in researching topics in artificial intelligence and producing podcasts aimed at providing accessible and approachable exposure to the field of AI and its ethical issues
- **University of Toronto Engineering Society — First Year Director** Sept 2019 — Aug 2020
  Represented over 1100 students in the first-year undergraduate engineering student body on the University of Toronto Engineering Society board of directors
- **Academic Advocacy Committee** Sept 2019 — Aug 2020
  Organizing midterm feedback systems for over 1100 students, course instructors and teaching assistants