

# Vincent Genov

vgenov@uwaterloo.ca | 647-685-7812 | [linkedin.com/in/vincent-genov/](https://www.linkedin.com/in/vincent-genov/) | [vgenov.net](http://vgenov.net)

## Summary of Qualifications

---

- Technical Skills: Python, C, C++, SQL, Git, Microsoft Excel/Office Suite, AWS (EC2, S3, IAM, VPC).
- Strong quantitative and analytical background through studies in Data Science at the University of Waterloo
- Experience working with operational, logistics, and trade-related data in fast-paced environments

## Experience & Projects

---

### Import Coordinator

Jan 2026 - Apr 2026

Mainfreight • Mississauga, Ontario

- Managed over 100 inbound shipments, coordinated operational logistics, and maintained accurate shipment data in a fast-paced logistics environment.
- Helped draft SOPs for new client accounts, streamlining shipment processing.

### Window Cleaning Sales & Service Specialist

Apr 2025 - Aug 2025

Pane in the Glass • Mississauga, Ontario

- Generated over 200 clients through door-to-door sales while managing logistics and ensuring top-tier customer satisfaction.

### Watch Tower — Interactive Arms Trade Visualization

- Built an end-to-end data platform analyzing 85 years of SIPRI arms transfer data across 258 countries, from raw CSV ingestion to an interactive React/D3 frontend deployed on Vercel.
- Engineered a Python pipeline using pandas and NetworkX to process 16,000+ year-granular trade flows, applying Louvain community detection to identify shifting geopolitical supplier–recipient blocs per decade.
- Implemented Z-score anomaly detection to flag 497 import spikes, cross-referenced against UCDP conflict data to explore arms–import–conflict correlations.
- Automated geopolitical context generation for each detected spike via async batched Gemini API calls, enriching anomalies with AI-written explanations at scale.
- Designed a React/Recharts frontend with decade-toggle cluster views, per-country supplier-diversification timelines (HHI), trade balance charts, and real-time filtering with no server round-trips.

### Bad-Link — Mini Jam 111 Hackathon

- Built a dual-character puzzle game in C++ and SFML with no game engine, coding all collision, movement, and game logic from scratch.
- Designed and shipped the full game within a 48-hour time constraint.

## Awards & Recognition

---

- Faculty of Mathematics President's Scholarship.
- Student Award in Recognition of Outstanding Achievement in Academics (Applewood Heights SS).
- Student Award in Recognition of Exemplary Character (Applewood Heights SS).
- French Immersion Secondary School Diploma (Applewood Heights SS).

## Education

---

### University of Waterloo

Sept 2024 - Aug 2029

Waterloo, Ontario

- Candidate for Honours Bachelor of Mathematics in Data Science, 2B
- Cumulative GPA: 3.73