

Ian Korovinsky

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EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Software Engineering, Cumulative GPA: 3.879

September 2023 - Present

- University of Waterloo Youth and Innovation Project National Advisory Council Member (2022 - Present)
- Former Cybersecurity Club President, Waterloo Blockchain Director of Events, and Eigenspace Fellow

TECHNICAL SKILLS

Awards: 10x Hackathon Winner, \$430,000+ in Scholarship Offers, Governor General's Academic Medal

Coding Languages: Python, JavaScript/Typescript, C++, SQL, HTML/CSS, C, C#, Java, Solidity

Frameworks: FastAPI, PyTorch, LangChain, Next.js, Node.js, Tailwind CSS, Flask, Django, Apache Solr, Prisma

Developer Tools: Docker, AWS (EC2, Lambda, S3, DynamoDB, Sagemaker), GCP, Azure, Figma, Jenkins, Git

EXPERIENCE

Bloomberg

January 2025 - April 2025

Software Engineering Intern - Buy-Side Compliance AI

New York City, NY

- Improved recommendation accuracy for **1,600+ clients** by fine-tuning a text classification model using **PyTorch** and **Transformers** for **700+ classes** and integrating improvements to three internal model training libraries
- Built additional features for the **semantic search framework** created during my first internship, and worked closely with a team to integrate it with a brand-new automated test generation tool released to **9,000+ engineers**
- Demoed an **AI agent-based semantic parsing architecture** enabling graph-based multi-agent environments

Sibli

October 2024 - November 2024

Software Engineering Intern - Mentat

Toronto, ON

- Improved computational speed by **500%** by redesigning and rewriting a **C# ETL data-parsing pipeline** in **Python**, utilizing **SQLAlchemy** for data storage and **openpyxl** for extracting data from Excel spreadsheets
- Contributed to **5 graph algorithms** written in **Neo4j (Cypher)** and **Python**, enabling the extraction of **algebraic and topological relationships** between datapoints in financial models

Bloomberg

May 2024 - August 2024

Software Engineering Intern - Buy-Side Compliance AI

New York City, NY

- Developed a **semantic search service** powering compliance search workflows serving **1,600+ clients** across **5 cross-org products** in **10 languages**, leveraging **JavaScript**, **Python**, and **Apache Solr**
- Designed an **NLP-based structured data extraction framework** using **Langchain** and **ReAct agents** to support automated compliance rule generation from user search inputs
- Co-organized a **two-week testing summit** for **60+ engineers** that increased test coverage across **14 projects**

Hack the North

March 2024 - Present

Co-Director & Logistics Organizer - Leadership & Logistics

Waterloo, ON

- Leading a team of **45+ organizers** to successfully host Canada's largest hackathon for **1000+ hackers**
- Coordinated **200+ mentors** and 1:1 project coaches, which contributed to **235 projects** in **36 hours**
- Organized **20+ workshops and panels** focused on software development, attended by hundreds of hackers

Responsibili

July 2023 - September 2023

Data Science Intern - Data Science Platform

Toronto, ON

- Achieved **\$49,000+ in savings per year** by creating **ETL data pipelines** to aggregate corporate data from **1M+ companies** from international business registries using **Python** and **SERP**
- Developed **web-scraping tools** for data collection using **Selenium**, **BeautifulSoup4**, and **reverse proxies**

PROJECTS

Axiom | *Next.js, Typescript, Y.js, Socket.io, Express, SQLite, Prisma*



- Developed a **custom programming language editor** for University of Waterloo's **SE212 logic course**
- Implemented **advanced Monaco Editor features** such as syntax highlighting, code completion, and reference lookups, enhancing user experience for logic rule-based programming
- Engineered a **real-time collaboration system** using **Express**, **Socket.io**, **Y.js**, and **SQLite**, enabling live presence tracking and collaborative editing for group projects
- Deployed the editor on university servers as a course resource for **130+ Software Engineering students**