Gordon Wang

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EDUCATION

- **University of Waterloo** — Waterloo, ON
  Computer Science and Finance; *Cumulative Average:* ***91/100 (4.0 GPA)*** — *September 2023 - April 2028*
  Coursework: Financial Markets, Object-Oriented Programming, Probablility, Calculus, Linear Algebra

EXPERIENCE

- **Microsoft** — Redmond, WA
  Incoming Software Engineering Intern — *May 2025 – Aug 2025*

- **Shopify** — Toronto, ON
  Software Engineering Intern — *Jan 2025 - Present*
  - **Front-end Development (React.js)**: Enhanced merchant experience by developing new features and resolving critical bugs on the Merchant Analytics page, improving usability and performance.
  - **Language Parser Development (Rust)**: Built parsing logic for ShopifyQL, a custom query language, enabling merchants to query and select metrics for their analytics reports more effectively.

- **Convergence Health** — Toronto, ON
  Backend Developer — *Dec 2024 - Present*
  - **Back-end Development (Java Spring Boot)**: Developed and extended RESTful API features to connect thermal cameras to servers, facilitating automated health monitoring and data collection.
  - **Database Design (MySQL)**: Created optimized tables and views for storing health-related data, ensuring efficient querying and integration with analytics pipelines.

- **Advantage Group International** — Toronto, ON
  Software Developer Co-op — *May 2024 - Aug 2024*
  - **Back-end (Java Spring Boot)**: Developed **DAOs**, **JPA Repositories**, **Rest API** queries, **Quartz** jobs, and **JUnit** tests for data collection in the back-end of company survey software.
  - **Database (PostgreSQL)**: Created **SQL** update scripts to generate tables and views for data collection.
  - **ETL Processing**: Orchestrated comprehensive **ETL** processes to efficiently transfer data to the **data warehouse**, ensuring data integrity and readiness for analysis.
  - **Tableau**: Engineered **Tableau** dashboards with map and table views for **Data Visualization**.
  - **Agile Development Cycle**: Daily **Scrums**, **Code Reviews**, **Git** control, **CI/CD**, and **Jenkins** pipeline.

- **University of Waterloo - School of Accounting and Finance** — Waterloo, ON
  Teaching Assistant (CFM-101: Introduction to Financial Markets and Data Analytics) — *Sep 2024 - Present*
  - **Educational Leadership**: Teaching students **Python**, **Pandas**, and **NumPy** for stock data analysis and financial data management, while evaluating assignments for accurate application of data analysis techniques.
  - **Top Academic Achiever**: Selected as one of **only two TAs**, recognized for top academic achievements.

- **Waterloop** — Waterloo, ON
  Web Team Lead/Full-stack Developer — *Apr 2022 - Aug 2024*
  - **Front-end Development (React/Typescript/CSS/Figma)**: Developed **React** web pages with **GUI** elements, collaborating with **UI/UX** designers to meet aesthetic and functional requirements.
  - **Back-end and Database Development (Node.js/Express/Knex/PostgreSQL/Docker/Google Cloud)**: Developed **APIs** and database queries to connect the **Content Management System** with the main website.
  - **Leadership and Communication**: Organized all the meetings, planned the term goals and delegated work.

TECHNICAL SKILLS

- **Languages**: Java, Python, C, C++, JavaScript, TypeScript, SQL, HTML, CSS, Racket

- **Libraries/Frameworks**: React.js, Angular.js, Node.js, Express.js, Flask, Spring Boot, Knex.js, Axios, Redux, OpenCV, Tensorflow, PostgreSQL, Pandas, NumPy, Matplotlib, yfinance, Quartz, JPA, Hibernate

- **Developer Tools**: Git, Docker, VS Code, Figma, Firebase, Jupyter Notebook, Tableau, AWS, Linux