

Dennis Kaydalov

Toronto, Ontario | 416-577-7027 | denniskaydalov@gmail.com | denniskaydalov.com

EDUCATION

Toronto Metropolitan University (formerly Ryerson)

Sep. 2023 – Present

Mathematics and It's Applications - BSc (Co-op)

Toronto, ON

- Expected graduation: Apr. 2027.
- Pursuing a minor in Computer Science.
- Relevant Coursework: Data Structures & Algorithms, Calculus, Linear Algebra, Statistics, Machine Learning

EXPERIENCE

Shopify

May. 2025 - Aug. 2025

Software Engineering Intern

Toronto, ON

- Backend development on the Kernel team, designed and built Shopify Retail Kernel APIs with Ruby, Ruby on Rails, and GraphQL.
- Prototyped Kernel service layer for Retail Point of Sale and KDS systems.
- Winner of internal Shopify Shop Minis Hackathon with Ruby, React Native and TypeScript.
- Built and released a first-party Shop Mini to the Shop App for general access to over 20 million users.

Shopify

Jan. 2025 - Apr. 2025

Software Engineering Intern

Toronto, ON

- Backend development with Ruby and Ruby on Rails on the In Store Orders team, building Shopify Point of Sale.
- Used tools such as MySQL, GraphQL and BigQuery to build Point of Sale APIs.
- Contributed to project technical design, including prototype and feature implementation.
- Increased complete test coverage of core Rails models, increasing resiliency by over 200%.

Infinite Investment Systems

Apr. 2024 - Dec. 2024

Software Engineering Intern

Toronto, ON

- Created natural language to SQL services using Azure OpenAI, LangChain and LlamaIndex with Retrieval-Augmented Generation (RAG) to simplify database data aggregation.
- Wrote efficient ETL services using Python and PostgreSQL to ingest data from 400+ firms.
- Utilized Docker and Kubernetes to deploy scalable microservices, additionally using Azure Pipelines to easily build and test deployments.
- Designed and built an internal build automation tool with Docker and VSC Dev Containers.

Applied Post

Mar. 2024 - Mar. 2024

Software Engineer

Toronto, ON

- Conducted a cost-benefit analysis of AWS storage offerings, resulting in 40% lower archive storage costs.
- Executed the move of 200TB of data from S3 Standard Storage to S3 Deep Glacier.
- Scheduled and automated daily transfer of data from S3 bucket through EC2.
- Used CloudWatch and Lambda through the AWS CLI and Python to create data automations.

PROJECTS

Dev Flow

- Built an automated Kanban interface. Automatically create, assign and move tickets from Github pushes, streamlining CI/CD with GitHub Actions.
- Used Python with FastAPI and AWS EC2 to build and deploy an efficient backend.

Multi-Agent Trading Simulator

- Built a simulated multi-agent stock market to practice trading against AI agents, including simulated market events and market makers.
- Used Python with Flask and Groq Inference to create a simulated market with AI traders.

SUMMARY OF QUALIFICATIONS

Programming Languages: Python, Ruby, C, C++, C#, Java, JavaScript, TypeScript

Systems: Amazon Web Services (AWS), Microsoft Azure, Windows, Linux

Databases: PostgreSQL, MySQL, Microsoft SQL Server, Redis

Technologies: Git, Docker, Kubernetes, Ruby on Rails, React

Concepts: Backend, Frontend, Fullstack, Agile, Version Control, Cloud, Operating Systems