

# Namdar Sadiq

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## Education

### University of Waterloo

Honours Bachelor of Computer Science

Waterloo, ON

2021–2026

- Relevant coursework: Algorithms, Data Structures, Operating Systems, Distributed Systems, Machine Learning, Databases

## Technical Skills

**Languages:** C++, Python, JavaScript/TypeScript, Ruby, Kotlin, SQL

**Backend:** Rails, Node.js, Flask, Django, GraphQL, gRPC, Kafka, Redis, PostgreSQL, Elasticsearch, OAuth2, JWT

**Frontend & Infra:** React, Next.js, Jest, Docker, Kubernetes, AWS, GCP, Grafana, Linux

**ML & Data:** TensorFlow, Pandas, NumPy, HuggingFace

## Experience

### Shopify, Software Engineer Intern

Toronto, ON

*Sept 2025 – Dec 2025*

- Built services for Shopify Collective using Node.js, TypeScript, GraphQL, and MCP-based protocols for scalable multi-merchant product sourcing (projected \$3M GP lift).
- Maintained Store Migration app: migrated to React Router 7, upgraded Docker/Node environments, improved reliability and build stability.
- Implemented admin UI performance improvements via targeted refactors reducing layout shift and render overhead.

### IGM Financial, Software Developer Intern

Toronto, ON

*Sept 2024 – Dec 2024*

- Developed FX Hedgebook front-end (Vue.js) and Django-based APIs supporting real-time trading workflows.
- Built automated validation pipeline with PyTest + Marshmallow, improving regression stability.
- Optimized UI performance via lazy loading and render-path refinements.
- Managed DB promotion workflows and deployed applications to Linux production environments.

### Sun Life Canada, Data Analyst Intern

Toronto, ON

*Jan 2024 – Apr 2024*

- Supported enterprise data mesh transition by leading planning and documentation defining data product ownership and governance standards.
- Worked with vendors to gather and refine requirements for orchestration, catalog, and metadata tooling.
- Led monthly cross-team knowledge-sharing forums to align data producers and consumers.

### Metrolinx, Data Science Intern

Toronto, ON

*Jan 2023 – Apr 2023*

- Analyzed transit network performance to identify operational bottlenecks informing service optimization.
- Built and evaluated ML classifiers to categorize incident types enabling targeted reliability improvements.
- Developed a Flask-based workflow migration tool replacing legacy PowerPoint tracking with structured data pipelines enabling BI.

## Projects

### V-lance — ETHWaterloo Prize Winner

(Next.js, Solidity, TalentLayer)

- Built decentralized freelance marketplace with ZK-based identity verification; awarded \$5k at ETHWaterloo.

### Laït — Natural language to LaTeX translator

(Next.js, TypeScript)

- Developed web tool converting natural-language math expressions and images into LaTeX.

### RAII-Net — C++ Stratego engine

(C++)

- Implemented Stratego engine with custom XWindow UI following MVC architecture.