

# Dinu Wijetunga

✉ dwijetun@uwaterloo.ca | 🏠 dinuwije.github.io | 📺 DinuWije | 🌐 dinu-wijetunga

## Education

### University of Waterloo

2020-2025

BACHELOR OF SOFTWARE ENGINEERING, BSE

- **90.1/100 GPA**, Dean's Honours List 2020-2024
- Awarded Kurt and Marianne Strobele Engineering Scholarship (\$24 000) for leadership and community service in tech

## Experience

### Palantir

New York, NY

SOFTWARE ENGINEERING INTERN - SYSTEMS

May 2024 - Aug 2024

- Developing **Java** systems for low-latency data analytics

### Snowflake

San Francisco, CA

SOFTWARE ENGINEERING INTERN - DISTRIBUTED SYSTEMS

Jan 2024 - May 2024

- Implemented performance improvements for the **C++** load-balancing algorithm of the **FoundationDB** distributed database
- Achieved a **90%** reduction in P95 latency for storage server reads through preemptive server-side request rejections
- Developed distributed systems tests to deterministically prevent regressions in critical read-path load balancing code

### Palantir

New York, NY

SOFTWARE ENGINEERING INTERN - SYSTEMS

May 2023 - Aug 2023

- Designed highly performant, secure, and resilient **Java** systems to support exports of streaming data for real-time analytics
- Concurrently polled 1000s of data streams with **<1s latency** by architecting scalable multithreaded **Kafka** consumer service
- Optimized service to consume **10 000+** records/sec across 100+ streams using a first-come first-served scheduling algorithm

### Cohere

Toronto, ON

SOFTWARE ENGINEERING INTERN - DATA

Sep 2022 - Dec 2022

- Optimized **LLMs** through the development of large-scale **Python/PySpark** data aggregation tools and ELT pipelines
- Collaborated with engineers from ScaleAI to source high-quality human-annotated data for more effective model training

### Coinsquare

Toronto, ON

SOFTWARE ENGINEERING INTERN - BACKEND

Jan 2022 - May 2022

- Designed, developed, and tested scalable **Go** data infrastructure for a leading Canadian **cryptocurrency** exchange platform
- Reduced data-fetching request latency by **25%** and vendor costs by **30%** by setting up **Kafka** pipelines into a **Postgres** DB

### Cloudspark Labs

Remote

SOFTWARE ENGINEERING INTERN - FULLSTACK

May 2021 - Aug 2021

- Developed, debugged, integrated, and streamlined deployment of **5+ microservices** for a collection of Enterprise HR apps

### Ryerson University Aerospace Department

Toronto, ON

SOFTWARE DEVELOPER INTERN

Aug 2019

- My first experience with software engineering; sparked a passion for solving tough problems in interesting domains!

## Activities

### UWaterloo Blueprint

Nonprofit Consulting

PROJECT LEAD

Jan 2023 - May 2023

- Lead architect coordinating 8 developers to create a resident management platform for a homeless shelter

PRODUCT MANAGER

Apr 2021 - May 2022

- Co-leading a team of 12 developers and designers to create a course building platform to educate about domestic abuse

### The Shoe Project

Nonprofit Consulting

SOFTWARE DEVELOPER

Sep 2020 - May 2021

- Built an interactive map to display 75+ stories written by Canadian immigrant women with a **Go** REST API deployed on **Heroku**

### EZventory

Python/Kotlin Side Project

INVENTORY MANAGEMENT APP FOR SMALL ORGANIZATIONS

May 2020 - Aug. 2020

- **Python/Flask** REST API with **JWT** auth, using **MySQL** DB with **Docker** containerized deployment on **AWS EC2**