





Anthony Chen

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Education

University of Waterloo

Bachelor of Software Engineering, Honours

Sep 2023 – Present

Combinatorics and Optimization Minor

- 89% Average, President's Scholarship of Distinction, Academic Representative

Experience

Amazon

Software Engineer Intern

Sep 2025 – Dec 2025

Vancouver, Canada

- Architected automated backend service to retry failed business workflows, eliminating **8,700 tickets** a year
- Built scalable pipeline with AWS to handle **108K+ retry operations** a year with idempotency and backoff
- Created API to **surface workflow status**, provide action items, and eliminate manual developer intervention
- Worked with product and platform teams to define requirements, polish UX, and impact **100K+ customers**

Jackal Labs

Software Engineer Co-op

Jan 2025 – Apr 2025

Waterloo, Canada

- Built transaction relay enabling users to buy, use, and share cloud storage across **8 different blockchains**
- Implemented backend functionality and REST API authentication for **S3-compatible** object storage service
- Audited distributed storage provider code to improve reliability and security of **500+ TB** in available storage
- Designed **RabbitMQ-based** backup and restore software for enterprise emails, credentials, and calendars

Ubineer

AI Engineer Intern

Dec 2024 – Jan 2025

Toronto, Canada

- Extracted **1600+ data points** of financial projections from SEC 8-K filings using Natural Language Processing
- Prepared and presented report on BeautifulSoup4 scraping, POS tagging, and **NLP chunking** best practices

Amazon

Software Engineer Intern

May 2024 – Aug 2024

Vancouver, Canada

- Designed and implemented **20M+ row** data warehouse microservice with live updates and ETL operations
- Created Athena database for on-call developers, supporting standard SQL and speeding up queries by **30x**
- Developed BFF and React UI allowing other teams to submit sanitized queries, view results, and export data
- Wrote backfill script, configured automatic backups, and imported **4 years** of past data into the warehouse

RubixDAO

QA Engineer

May 2021 – Aug 2021

Toronto, Canada

- Contributed to **decentralised lending** platform with cryptocurrency collateral and USD-based digital token
- Wrote 90+ smart contract tests to achieve **100% code coverage** and implemented on-chain technology demo

Projects

UWMap

C++, ESP32, FastAPI, Next

- Programmed and deployed **8 ESP32 microcontrollers** to track and analyze crowd density across campus
- Collaborated with other developers to create and deploy map with **real-time updates** and historical data

dogecoin-unofficial

Bash, GitHub, Linux, Snap

- Investigated **40+ issues** from Linux users attempting to install the official Dogecoin Core wallet software
- Packaged Snap for amd64, arm64, and i386, installations in **125+ countries**, contributions merged upstream

Skills

Languages | ASM, Bash, C, C++, Go, Java, JavaScript, PHP, Python, Rust, Scala, Solidity, SQL, TypeScript, VHDL

Technologies | AWS, Docker, Flask, GCP, Ghidra, Gradle, Jest, Linux, NumPy, PostgreSQL, Protobuf, Pytest, React