

# Anthony Chen

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## Education

### University of Waterloo

*Bachelor of Software Engineering, Honours*

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

Sep 2023 – Present

*Combinatorics and Optimization Minor*

## Experience

### Amazon

*Software Engineer Intern*

Sep 2025 – Dec 2025

*Vancouver, Canada*

- Working on full-stack service to handle **30%+ of incoming tickets** by automating existing manual processes

### Jackal Labs

*Software Engineer Co-op*

Jan 2025 – Apr 2025

*Waterloo, Canada*

- Built transaction relayer 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

### 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

### COSine

CSS, HTML, Node, React

- Won **2nd Overall** at Major League Hacking's PrideHacks event with a participatory multimedia experience
- Integrated **OpenAI LLM** with pre-constructed narrative paths to enhance awareness of modern social issues

## 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