





# Kieran Hulsman

3B Software Engineering Student

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**Languages:** Python, Javascript, C/C++, SQL, TypeScript, Ruby, Java, HTML/CSS, Scala, Assembly

**Technologies:** AWS (Lambda/DynamoDB/S3), React, Node, Flask, Express, Axios, Git, Unix, Ruby on Rails

## Education

### University of Waterloo

Sep. 2022 – Apr. 2027

Bachelor of Software Engineering, Honours (BSE)

Waterloo, Ontario

- **cGPA: 92% (3.9/4.0)**
- **Engineering Dean's Honours:** awarded for achieving a GPA in the **top 13%** of the Software Engineering program
- Relevant coursework: Algorithms, Data Structures, Databases, OOP, Operating Systems, Statistics, Graph Theory

## Experience

### Shopify

May 2025 – Aug. 2025

Software Engineering Intern

Toronto, Ontario

- Developed backend billing logic in **Ruby** for **Shop app** front-page ads, ensuring revenue capture and monetization
- Standardized data collection pipelines and automated dashboard refresh logic to maintain accurate metric visibility
- Shipped production code to millions of users in first week, demonstrating speed, ownership, and product impact

### Bank of America

Sep. 2024 – Dec. 2024

Software Engineering Intern – ‘Outstanding’ co-op rating

Toronto, Ontario

- Worked on a prime brokerage margin engine to calculate risk metrics of **2.3 million** securities per day in **Python**
- Gained exposure to **financial markets**, option pricing, Greeks, and derivative structures across asset classes
- Engineered a scalable streaming architecture migration with pub-sub messaging queues to enhance platform resiliency

### Ollon

Jan. 2024 – Apr. 2024

Software Engineering Intern – ‘Outstanding’ co-op rating

Toronto, Ontario

- Worked fullstack on two live projects, developing **React** components, **Express** backend routes, and **SQL** queries
- Personally contributed **20,000 lines** of production-level code across **150 pull requests** on two live projects
- Implemented key document upload feature with **React (TypeScript)** and **Node (JavaScript)**, storing files on **SMB**

### Code Ninjas

Apr. 2023 – Aug. 2023

Lead Coding Instructor – ‘Outstanding’ co-op rating

Aurora, Ontario

- Served as lead instructor, supporting the management of **15 staff members** in their day-to-day operations
- Led **100+** educational coding sessions for children aged 5-14, teaching object-oriented programming, JavaScript and Lua
- Played a pivotal role in driving company growth from **0 to 100+ clients** by conducting over **600 sales calls**

## Projects

### Flashify - 1st Overall, Golden Hack 2023 | React, Flask, MySQL, JavaScript, Python, AWS S3, Tailwind CSS

- Created a web application that leverages AI to transform user-uploaded handwritten notes into interactive flashcards
- Utilized **OpenAI's API** to generate question-answer pairs from OCR-parsed user-uploaded images stored in **AWS S3**
- Developed API endpoints to query a **SQL** database from **Flask** backend, enabling the site's **CRUD** functionality

### Snacks-n-Daqs - Social Travel Planning | MySQL, Python, Node, React, TypeScript

- Facilitated group travel planning by connecting users based on shared destinations, dates, and demographics
- Developed **complex SQL queries** to generate analytics on popular destinations, trip durations, and user demographics
- Automated data generation using **Python** scripts to populate production datasets with realistic user data

## Hobbies

*Road Cycling*, *Rock Climbing*, and *Hot Yoga* keep me energized, focused, and ready to tackle new challenges