

# HYOSEO LEE

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## EDUCATION

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### University of Waterloo

Waterloo, ON

*Bachelor of Computer Science, Honours, Co-operative Program*

*Sep 2023 – Present*

- Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Logic & Computation, Linear Algebra, Calculus
- Transferred from Honours Mathematics to Computer Science after 1B with high academic standing

## TECHNICAL SKILLS

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<b>Languages</b>	Python, C, C++, JavaScript, TypeScript, HTML/CSS, SQL
<b>Frameworks</b>	React, Node.js, FastAPI, Astro, Pandas, Matplotlib, Pygame, SFML, Expo, Gemini API
<b>Tools &amp; Platforms</b>	Git, Docker, Linux, AWS (EC2, RDS), DigitalOcean, Cloudflare Pages, PostgreSQL
<b>AI Tools</b>	Claude Code, Gemini CLI, Cursor, Stitch
<b>Languages (Human)</b>	English (Fluent), Korean (Native)

## CERTIFICATIONS

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<b>Microsoft Certified: Azure Fundamentals (AZ-900)</b>	2024.06.14
<b>Microsoft Certified: Azure AI Fundamentals (AI-900)</b>	2024.06.28

## EXPERIENCE

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### WE Accelerate — Azure & AI Stream

Remote

*Microsoft-mentored Co-op Program | University of Waterloo*

*May 2024 – Aug 2024*

- Collaborated remotely with a team to design and prototype a medical diagnosis chatbot using Azure AI services
- Presented project deliverable to Microsoft mentors and Avanade staff at final showcase

### Republic of Korea Army (ROKA)

Gyeonggi, South Korea

*Squad Leader & Fuel Supply Specialist | Mandatory Military Service*

*Oct 2024 – Apr 2026*

- Led a squad of 14 soldiers, overseeing daily operations, personnel coordination, and team performance
- Managed large-scale fuel logistics including diesel and gasoline supply via tanker vehicles for military units
- Maintained strict safety protocols and operational readiness in high-responsibility fuel handling environments

### Ukrainian Refugee Center

Warsaw, Poland

*Volunteer | Global Expo Centrum Refugee Center*

*Dec 2022 – Mar 2023*

- Supported event operations including stage setup and logistics to ensure smooth execution of community programs

## PROJECTS

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### CxC Hackathon — Wildfire Analysis | Python, Pandas, Matplotlib, ML | [GitHub](#)

Feb–Mar 2024

- Analyzed 22,000+ Alberta wildfire records; built an AI model to predict wildfire sizes using multiple ML algorithms
- Collaborated in a team of 4 to analyze data, develop the AI model, and present findings
- **Won the MEF Award** for impact analysis on indigenous communities

### Dchup — Flashcard Web App | React, FastAPI, AWS EC2, AWS RDS, PostgreSQL | [GitHub](#)

Mar–Jul 2024

- Architected and built a full-stack Quizlet-like flashcard platform from scratch, handling frontend, backend, and cloud deployment
- Deployed backend on AWS EC2 with PostgreSQL on RDS; implemented RESTful API with Node.js

### Macro Dashboard | React 19, FastAPI, PostgreSQL, Docker, DigitalOcean

Apr–May 2026

- Designed and deployed a production-grade customizable financial dashboard with drag-and-drop asset price widgets, sparklines, and live RSS news feeds from 22 sources
- Implemented full auth system with JWT access/refresh tokens, invite-based beta access, admin panel, and email-based password reset
- Deployed on DigitalOcean via Docker Compose with Caddy reverse proxy and auto-HTTPS; automated price and news refresh with background scheduler
- Applied a phase-based AI-assisted development workflow using Claude Code to plan, implement, and ship the full system solo