

HEUNGBIN OH

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SUMMARY

Versatile software developer with experience in **AI, C++, Python**, and **SQL**, specializing in building efficient software solutions and database design. Proven ability to **communicate with stakeholders**, and translate business needs into technical solutions.

EDUCATION

Computer Programming & Analysis: 3.8 GPA
Seneca Polytechnic

September 2023 - April 2026
Toronto, ON

TECHNICAL SKILLS

Languages:	C++, C, Python, Java	Database:	MySQL, PostgreSQL, PL/SQL (MongoDB)
WEB Development:	React, HTML, CSS, TypeScript, JavaScript, Node.js, Express.js, Tailwind CSS		
Framework:	Django, Next.js, Streamlit, Flask	DevOps:	AWS (EC2, S3), Docker
Tools:	GitHub, Prisma, VScode, Postman, Jira	Others:	OpenAI, Linux Shell, Vercel, MS Office

WORK EXPERIENCE

EC Studio Inc.

January 2025 - April 2025

Full Stack Developer

Toronto, Canada

- Engineered and led AI-powered vendor match-making system using **Python, OpenAI (RAG)**, And **vector similarity search** (Reduced response time from **35-40 sec** to **6-8 sec** with fine-tuning).
- Designed back-end architecture with **AWS EC2, S3**, and **PostgreSQL (Prisma)**, supporting 300 expected users and user Authentication with **Google Auth** and **JWT**.
- Delivered a responsive and user-friendly front-end with **React, Next.js**, and **TypeScript**, including multi-step form submission, and user dashboard.
- Communicated closely with stakeholders to have **business requirements** and documented **technical specifications**.

PROJECTS

Back-End Airbnb Clone | Python, Django, Django REST Framework

GitHub

August 2024

- Highlights: **Python proficiency**, **Django**, **API test** (unit test), and admin section.
- Impact: Implemented RESTful APIs and designed entity relationships using **Django ORM** (13 models) and following **MVC** architecture to ensure scalable, maintainable backend system

Full-stack GPT | Python, OpenAI, Langchain, Streamlit, etc

GitHub

July 2024

- Highlights: **Fullstack GPT web services**, **data management**, and **LLM RAG**
- Impact: implemented **similarity search** to optimize token usage for SiteGPT efficiently, **reducing process time** by over **80%**.

LEADERSHIP

Seneca Hackathon Finalist

March 2025

Seneca Polytechnic

Toronto, ON

- Selected as a Finalist in 33 teams among over 1000 participants for Food Insecurity in Canada.
- Implemented a Charity connect system between individuals and organizations using **React, MongoDB**, and **Gemini AI**.
- Verified and categorized users' pictures for donation using AI models.

Army

May 2014 - February 2016

Combat Engineer | 1st Engineer Brigade Headquarters

Seoul, Korea

- Demonstrated organizational skills by managing over 100 construction projects within the 1st Army Group.
- Participated in key operational training by leading a team under high pressure and in an agile environment.