

HEUNGBIN OH

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SUMMARY

Versatile software developer with experience in **AI, C++, Python, SQL**, and **React** 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

WORK EXPERIENCE

| EC Studios Inc. | <u>Project Link</u> | January 2025 - April 2025 |
|---|---------------------|---------------------------|
| Software Engineer Internship | | Toronto, ON |
| <ul style="list-style-type: none">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. | | |

TECHNICAL SKILLS

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

PROJECTS

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|---|-------------------------------|-------------|
| <u>Seneca Hackathon Finalist</u> | <u>GitHub</u> | March 2025 |
| Seneca Polytechnic | | Toronto, ON |
| <ul style="list-style-type: none">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. | | |
| Back-End Airbnb Clone Python, Django, Django REST Framework | <u>GitHub</u> | August 2024 |
| <ul style="list-style-type: none">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 | <u>GitHub</u> | July 2024 |
| <ul style="list-style-type: none">Highlights: Fullstack GPT web services, data management, and LLM RAGImpact: implemented similarity search to optimize token usage for SiteGPT efficiently, reducing process time by over 80%. | | |

LEADERSHIP

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| Army | May 2014 - February 2016 |
| Combat Engineer 1st Engineer Brigade Headquarters | Seoul, Korea |
| <ul style="list-style-type: none">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. | |