HEUNGBIN OH

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EDUCATION

Seneca Polytechnic   September 2023 - Present
College Advanced Diploma in Computer Programming & Analysis   Toronto, ON
- **GPA**: 3.9/ 2024 Winter President's honour for GPA 4.0

Korea National University of Transportation   May 2013 – August 2020
Bachelor of Engineering in Civil Engineering   Gyeonggi-do, Korea
- **GPA**: 3.94 (3rd place among 45 students) / National Science & Technology Scholarship; 2-year scholarship
- 1st place honoured among 45 students with a GPA of 4.42 (Fall, 2016)

SKILLS

Frameworks: Django, Streamlit, Flask   **API**: OpenAI, Langchain, Langsmith

Languages: C++, Python, C, HTML/CSS, JavaScript   **Database**: SQL

Technologies: GitHub, VScode

PROJECTS

Back-End Airbnb Clone | Python, Django, Django REST Framework   **GitHub**   **August 2024**
- Developed a back-end project to create Airbnb Clone Web Service, utilizing Python and Django.
- Implemented entity relationship using Django ORM to simplify interaction with the SQL DataBase. Used APITestCase from Django REST Framework to test Rooms API.
- Created an Admin Panel to manage users, a booking system, etc. Customized admin panel to filter the data and to set the read-only list.

Full-stack GPT | Python, OpenAI, Langchain, Streamlit, etc   **GitHub**   **July 2024**
- Created 6 Fullstack GPT Web Services using OpenAI's GPT-3.5-turbo, GPT-4, LangChain, and Streamlit; DocumentGPT, QuizGPT, PrivateGPT, SiteGPT, MeetingGPT, and InvestorGPT.
- Used 3 different chain methods; 'Stuff, Re-Rank, and Refine' chain to retrieve better results from LLM.
- implemented similarity search to manage token usage for SiteGPT efficiently.
- Utilized an Agent from Langchain to search for the information to invest for a company utilizing 'Alpha Vantage' Free Stock API.

Job Scraping | Python, Flask, HTML   **GitHub**   **June 2024**
- Developed a job scraping application using Flask and Python to create a simple and user-friendly service.
- Utilized 'requests' and 'BeautifulSoup' packages to request and parse HTML context from the site.
- Sent requests with a 'User-Agent' header to prevent request rejection from the site.

EXPERIENCE

Seneca Hackathon Finalist   March 2024 – April 2024
Seneca Polytechnic   Toronto, ON
- Selected as a Finalist in 33 teams among over 1000 participants for student housing problems in Canada.
- Researched 8 neighborhoods with at least 20 rooms per neighborhood to have the real information.
- Evaluated data to determine the best solution considering operational costs for Seneca and benefits for students.

Army   May 2014 – February 2016
1st Engineer Brigade Headquarters   Seoul, Korea
- Supported to manage over 100 construction projects across 22 subordinate units within the 1st Army Group.
- Participated in key operational training by the 1st Army Corps, contributing to strategic planning and execution.