

# SUNG HYUN (JESPER) HONG

[in LinkedIn](#) | [604-968-0115](tel:604-968-0115) | [jesper-sh-hong.github.io/](https://jesper-sh-hong.github.io/) | [seonghyun91@gmail.com](mailto:seonghyun91@gmail.com) | [GitHub](#)

## Skills

- Languages: Python | Java | JavaScript | TypeScript | C | Go | R
- Web & Mobile: React | React Native | Next.js | GraphQL | Node | Express | Prisma | jQuery | Tailwind CSS | Django
- Database: SQL | NoSQL | MySQL | MongoDB | Firebase
- Tools & Libraries: Docker | Swagger | Pandas | OpenAI | Gemini | TensorFlow | cPanel | Spark | Keras | PyTorch
- Methodologies: Agile methodology | Unit Testing | Git | OOP | Rest API | Trello

## Experience

**Practicum Student, Software Engineer**      Stack Moxie      *Seattle, WA, US*      **01/2024 - 04/2024**

- Contributed to client applications that validate the behavior of OpenAI and Gemini Large Language Models (LLMs) using TypeScript, Docker, OpenAI API, and Gemini API.
- Customized client wrapper and response wrapper of test suite for Gemini based on Gemini API documentation.
- Built a synthetic data generator using Python to ensure comprehensive testing without compromising data privacy.
- Created over 20 test scenarios to benchmark LLM models for context comprehension and readability.

**Software Engineer Intern**      Innovibe      *Vancouver, BC, CA*      **01/2023 - 08/2023**

- Developed brand new client applications that provides reports and booking options to 4K+ customers, across 10+ branches, in real time using React, Typescript, Javascript, Go, GraphQL, Docker, Stripe and Tailwind CSS.
- Enhanced the loading speed of specific API calls within the admin dashboard by 80% by minimizing redundant API requests, implementing server-side pagination.
- Led the UI design and development of a [mobile application](#) from scratch using React Native to deliver a comprehensive set of features comparable to the new web service.

**Squad Leader**      Korea Army      *Yeoncheon, Korea*      **04/2012 - 01/2014**

- Led daily operations for a 10-member squad as a leader, demonstrating strong leadership and teamwork.

## Hackathon & Project

Diabetes Risk Predictor      **04/2024 - 05/2024**

- Developed a prediction model for diabetes risk using Django, integrating Convolutional Neural Networks (CNN) and other machine learning techniques such as feature selection techniques and hyper parameter tuning techniques.
- Conducted Exploratory Data Analysis (EDA) to understand dataset and optimize model performance

Chris: The Game      **03/2022**

- Hackathon Winner (**BCIT Hack the Break**)
- Created a simple quiz game inspired by "Who Wants to Be a Millionaire" using React, JavaScript, and Node.js.
- Developed the game's user interface to display questions and answer choices with React and CSS.

## Education

**Computer Systems Technology Diploma**      British Columbia Institute of Technology      *Vancouver, BC, CA*      **01/2022 – 06/2022**

**Bachelor of Business Administration**      Yonsei University      *Seoul, South Korea*      **09/2014 - 02/2018**