SEUNGHYUN (JOE) LEE

386 Yonge Str, M5B 0A5 | 437-660-9391 | sehyun.lee@mail.utoronto.ca | www.linkedin.com/in/joe-shyun-lee

SUMMARY

- Motivated industrial engineering student seeking to develop experiences working in supply chain and manufacturing optimization. Passionate about learning new ideas and articulating solutions to challenges. Skilled at managing workload and meeting deadlines.

EXPERIENCE

Engineering Without Borders: University of Toronto **Toronto, Canada**
Community Projects Events Coordinator *Oct 2023 -*
- Organized and hosted a community event of 20+ participants to promote volunteering opportunities in the community garden project and urban gardening

Yanadoo **Seoul, Korea**
Freelance Translator *Jan 2023*
- Translated and cross-checked educational workbooks and video-lectures produced by Yanadoo, Kakao's English education platform

Republic of Korea Special Warfare Command **Icheon, Korea**
Interpreter/Administrative Support *July 2021 - Dec 2022*
- Coordinated and cooperated with SOCKOR as the leading interpreter for the Current Operations Cell during CCPT(Combined Command Post Training) and UFS(Ulchi Freedom Shield) Exercise
- Provided comprehensive administrative support to the ROKSWC command group: comprising the Chief of Staff, Executive Officer (XO), and Aide-de-Camp (ADC)

PROJECTS

Personal Blog Website (shyun.dev) **2023**
- Developed a MERN Stack dynamic website from scratch
- Applied a responsive front-end with React JS and Tailwind and utilized the Fetch API to serve data from the server
- Implemented a REST API with Node JS for the back-end to send user data, posts, and artwork data
- Utilized JSON Web Tokens and HttpOnly cookies for enhanced authentication and authorization
- Served on a custom domain, with the back-end API served on its subdomain

AI Speech/Chat-bot **2023**
- Developed a speech-recognition bot utilizing OpenAI API and Speech Recognition API
- Implemented a user-friendly interface with an emphasis on accessibility, specifically for elderly users, to ensure an inclusive and seamless digital experience to interact with LLM models using speech

Data Visualization Project: Investing in S&P 500 **2023**
- Utilized vx and react-motion library to visualize the trend of S&P 500 compared to other investment options: savings accounts, Nasdaq-100, Dow Jones, KOSPI
- Demonstrated total financial earnings over both worst and best-case scenarios over time
- Offers insights into the growth potential of compound interest and underscores the importance of initiating investments at an early age

WARP Shoes Project **2023**
- Modeled and optimized the production strategy for WARP Shoes Company, resulting in a maximum profit of $11,818,500
- Projected estimated future demand for WARP Shoes by calculating the mean of the seven years of historical demand data.
- Utilized Linear programming relaxation on the mathematical model predicting the profit using AMPL and the Gurobi solver library

EDUCATION

University of Toronto **2020-2026(PEY)**
- B.S in Industrial Engineering (Operations Research Stream) | Dean's List | cGPA: 3.50+

St. Georges School, Vancouver **2017-2020**
- Graduation with Distinction

SKILLS

Programming Languages JavaScript, Java, Python
Web Development Frameworks React JS, Node JS, HTML5, CSS3
Databases MongoDB
Tools Git, AMPL, Gurobi, Microsoft Office: Excel, Powerpoint