Jewoo (Jay) Lee

(438)-367-3122 jewoo.lee@mail.mcgill.ca
https://github.com/jewoolee0502 / https://www.linkedin.com/in/jewoo-lee/

Education

McGill University| CGPA 3.80/4.0   **Montreal, QC, Canada**
Faculty of Engineering, Bachelor of Computer Engineering   *Jan. 2020 – (Expected) Dec. 2025*

Work Experience

Credit Risk Analyst Intern| CI Guarantee, *Seoul, Republic of Korea*   **Apr. 2024 – Jul. 2024**
- Analyzed partnered company's credit by examining **financial statements**, **cash flow**, and **owner's credit**
- Helped partnered companies with the application process for our **credibility examination**
- Communicated with partnered companies to help them understand their received **credibility rank**

Republic of Korea Marine Corps (ROKMC) |Hwaseong & Pohang, *Republic of Korea*   **Sept. 2022 – Mar. 2024**
- Detachment to the **1st Amphib. Division** improving and developing our skills as a **Comms. and Intel. marine**
- Facilitated communication between the **USMC** and the **ROKMC** by providing both **linguistic and cultural interpretation**
- Participated in combined training: **FreedomShield '23**, **SSangyong '23**, **Ulchi-FreedomShield '23**, and **FreedomShield '24**

Project Intern | HANSAN GLOBAL, *Cairo, Egypt*   **Jun. 2021 – Sept. 2021**
- Researched on the **cosmetics market field** in **Egypt** and **Middle East** and its trend
- Coordinated the introduction of **Korean cosmetic products in the Egyptian market**
- Communicated with managers to determine which products to import
- **Advertised** newly **launched Korean cosmetics** on social media (Facebook)

Summer Intern | KOTRA (Korea Trade-Investment Promotion Agency), Cairo, Egypt   **Jun. 2019 – Jul. 2019**
- Communicated with managers as their assistant and helped with their research
- Communicated with customers to fulfill their needs
- Gave presentations about new business ideas to help promote Korean trading companies to expand to Middle East

Engineering Projects

Health and Toning Targeted Program (HTTP) | Montreal, QC, Canada   **Jan. 2022 – Apr. 2022**
- Built **IOS and Android web app** that allows users to track and program their workouts
- In a team of 10, utilized the **Agile method** to develop a highly functional backend with **Spring-Boot** and **SQL**, and high quality UI with **React**

Library Management System Application | *Montreal, QC, Canada*   **Sept. 2021 – Jan. 2022**
- Developed **IOS and Android web app** that allows any libraries to easily manage their items and users
- In a team of 5, utilized the **Agile method** to create a sophisticated backend with **Java** and **Gradle** and a high-quality UI with **HTML** and **JavaScript**

FlexiBook Application | *Montreal, QC, Canada*   **Sept.2020 – Dec. 2020**
- Developed an **application** that allows any business owners to communicate with customers easily
- Built this software application with **Java** and **Java Swings** for the frontend, as well as **Gradle** for the build system
- In team of 6, created use case and **class diagrams**, wrote detailed **test cases**, and ran comprehensive tests at a functional level

Leadership and Extracurricular Activities

MenuLens | McHacks12 Hackathon, Montreal, QC, Canada   **Jan. 2025**
- Built an **AI-powered menu translator** with **Flask** for the backend and **React** and **CSS** for the frontend
- Integrated several **APIs** (**Pexel**, **Google Search Console, Currency Freaks,** and **OpenAI**) to provide exact translations of various dishes
- Successfully integrated **image recognition technology** to extract text from images and used external APIs to translate into desired language

Marlet Nest | CodeJam 14 Hackathon, Montreal, QC, Canada   **Nov. 2024**
- Built apartment finder with **Firebase** for scalable real-time **database** and **React** and **Tailwind CSS** for the frontend
- Integrated several **APIs** (**Calendly** and **Google Maps**) to allow users to book visits directly and show the relative location to the user
- Implemented a **second authentication process** to allow only valid students to access the website, filtering out all scammers

adStar |CodeJam XI Hackathon, Montreal, QC, Canada   **Feb. 2022**
Company of the Year Award in Injaz Egypt Company Competition 2018
- Built an application that uses **ML models** to predict the number of impressions for each ad timeslot precisely
- Utilized **ML models** (**DT regressor, Lasso regressor**, **HistGradientBoosting** regressor) for accurate prediction
- Integrated backend using **Flask** and implemented **REST API**

Production Manager | More (Injaz), Cairo, Egypt   **Mar. 2018 – Dec. 2019**
Company of the Year Award in Injaz Egypt Company Competition 2018
- A **student-led company** that created high-quality multifunctional **laptop cases**
- Contacted multiple factories to find the best-fit producer for the multifunctional laptop cases

Volunteer | Me to We, Kenya   **Oct. 2018**
- Renovated a public school for the Maasai Mara tribe and taught English to 6-12-year-old students

Languages and Technical Skills

Languages: English (fluent), Korean (native), Arabic (Intermediate)
Certificate: Learn to Program in Java (Microsoft Corp.)
Programming Languages: Java, Python, C++, Assembly Language, HTML, JavaScript, Flask, CSS, TypeScript, React, Node.js
Developer Tools: Visual Studio Code, Eclipse, IntelliJ IDEA, Thonny, Git
Simulation Tool: LT Spice
Publishing Softwares: Adobe Photoshop, MS Office 365