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LUKE SEO

TECHNICAL SKILLS

- Go
- Java
- Kotlin
- C/C++
- Python
- MySQL
- JavaScript
- React Native
- Jupyter Notebook

EDUCATION

Simon Fraser University
BSc. in Computer Science

Sep 2016 - Dec 2023

AWARDS

1st Prize in 6th Infantry Division Security Awareness Contest
September 2018

SFU-ZJU DDP Entrance Award
September 2016

SFU Entrance Award
September 2016

WORK EXPERIENCE

CJSF 90.1 FM Radio Smartphone Application Developer   *May 2022- Present*

- Developed the first launching application using React Native on Visual Studio for IOS and Android.
- Implemented various features, including retrieving the entire playlist of a program and an automatic news updating algorithm, both using Web External API via GitLab.
- Held weekly offline and online meetings with the team of four members to provide feedback and come up with effective strategies to mitigate any bugs and inconveniences from users.

PROJECTS

SFU-Transiter [Android Application (Kotlin)]   *Oct 2022 - Dec 2022*

- Developed a transit application for SFU students in a team of four members to leave comments and rates for each bus stops.
- Implemented on Android Studio using Kotlin, with BC TransLink's API to receive current bus positions and station information.
- Successfully displayed comments and rates with clear and coherent UI from various users online using AWS

Hillstate Bus-Timer [Android Application (Java)]   *Aug 2021 - Oct 2021*

- Developed an Android Application that provides transit schedules and real-time estimated arrival times for selected bus stops within my neighbourhood.
- Implemented on Android Studio using Java, with an external library to read database files in CSV format using OpenCSV with straightforward and easy-to-use UI for a wide age range of users.
- Deployed prototype version on neighbourhood community site with 6000+ members to receive active user feedback used to improve quality and fulfil diverse requirements of the users.

OSM, Photos and Tours [Python Application]   *Jun 2021 - Aug 2021*

- Developed a Python Application that provides photos and descriptions of tourist attractions in Vancouver
- Implemented on Visual Studio using Python and Jupyter Notebook with API from Google Maps and OpenStreetMap to retrieve data and organized the data with MySQL to provide detailed data to use on the application.
- Followed the Agile software engineering process with two-week sprints and meetings in between and after each sprint within a team of four members.

LEADERSHIP / ACTIVITY

Korean Army 6th Infantry Division - Squad Leader, Administrative Clerk, Radio Operator   *Oct 2018 - Jun 2020*

- Organized workflows to reduce unnecessary and repeated jobs by creating efficient routes and algorithms, and improved problem-solving skills and time management to meet various and unexpected requirements of the fast-paced environment of the military.
- Conducted team with exceptional team managing skills to successfully complete any given mission and operations in any circumstances.
- Managed team members with high flexibility and critical thinking to overcome any conflicts among team members or with other teams.
- Demonstrated remarkable responsibility by concentrating on duties to succeed in operations in any severe environments and obstacles.

SFU Association of Korean- Canadian Scientists and Engineering Club - Executive, Vice President   *Jan 2017 - Aug 2018*
Sep 2020 - Jun 2021

- Managed various monthly social and academic meetings by communicating with other executives to perform events with high demand, resulting in enhancements of creativity and research skills.
- Coordinated with graduates and seniors to foster a learning environment for participants to gain knowledge from inexperienced situations.
- Created and organized meetings of 100~200 people and designated roles for each executive regarding their strengths and abilities.