

LUKE SEO

TECHNICAL SKILLS

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

EDUCATION

Simon Fraser University
BSc. in Computer Science

Sep 2016 - Apr 2024

AWARDS

**1st Prize in 6th Infantry
Division Security Awareness
Contest**

September 2018

**SFU-ZJU DDP Entrance
Awards**

September 2016

TECHNICAL EXPERIENCE

CJSF 90.1 FM Radio Web Developer

Jan 2023 - Present

- Refurnished a web page using CSS, Javascript, and Drupal to enhance the UI more clearly and provide prioritized information fast and easily to the users to avoid any confusion.
- Integrated an online payment system using Chase Paymentech for a donation page.

CJSF 90.1 FM Radio Smartphone Application Developer

May 2022 - Dec 2022

- 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.

CLASS 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 live transit information, displayed user communications, and saved account information using the AWS database.

OSM, Photos and Tours [Python Application]

Jun 2021 - Aug 2021

- 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.
- Followed the Agile software engineering process with two-week sprints and meetings in between and after each sprint within a team of four members.

PERSONAL PROJECTS

Personal Website [HTML based website]

Jan 2023 - Present

- Implemented a website to display detailed information about myself, using self-learned HTML, CSS, and Javascript on GitHub Pages with various animations and effects.
- Continuously updating the page to demonstrate my abilities in-depth and upload projects to let viewers interact and gain knowledge of the wide capability of my skills.

Hillstate Bus-Timer [Android Application (Java)]

Aug 2021 - Oct 2021

- Implemented on Android Studio using Java, with OpenCSV library to read database files to provide scheduled ETA of buses retrieved from the transit service openAPI of the Korean Government.
- Deployed prototype version on neighbourhood community site with 6000+ members to receive active user feedback to improve quality and fulfill diverse requirements of the real users

NON-TECHNICAL EXPERIENCE

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.
- Demonstrated exceptional team managing skills to successfully complete any given mission and operations in any circumstances.

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 of 100~200 people by communicating with other executives to perform events, 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.