

RUIKANG GUO

[linkedin.com/in/ruikang-guo-540742102/](https://www.linkedin.com/in/ruikang-guo-540742102/) | github.com/LeoKwo/ | rkguo.xyz | leokwok1997@hotmail.com | (206) 403-7493

EDUCATION

Syracuse University Syracuse, NY Sep 2021 - May 2023

M.S. Computer Science

- Relevant courses: object-oriented design and analysis, principles of operating systems, C++ programming, design and analysis of algorithms, computer architecture, Android programming, natural language processing, intro to AI

University of Washington Seattle, WA Sep 2016 - Jun 2021

B.A. Geography: Data Science with minor in Informatics

- 2020 - 2021 Annual Dean's List
- Relevant Courses: computer programming, client-side development, Android mobile development, data structure and algorithms, database management, advanced data science methods

SKILLS

Frontend Technology: ES6 JavaScript, React, Redux, Thymeleaf, HTML, CSS/Less, Bootstrap, Ant Design

Mobile Development: Kotlin, Retrofit, Coroutines, Glide

Backend & Database: Java, Spring Boot, Node.js, Express.js, MongoDB, MySQL, Firebase, DigitalOcean

Platform & Tools: Git, Maven, Gradle, Heroku, Docker, Figma, Adobe CC Suite, Tableau, ArcGIS

Other Programming Languages: C++, SQL, Python, R, Haskell

Database Management Certificate: UW 2018 Summer Database Management Certificate program

PROFESSIONAL EXPERIENCES

Soca Networks Remote May 2022 - Sep 2022

Full-Stack Developer Intern

- Collaboratively built a social network website from scratch, using **React**, **Redux**, **Ant Design**, and various other technologies. Worked on **search engine optimizations** for the website, resulting in various pages of the platform reaching page 2 of search results in Google. Worked on **Restful API** creations and management in the backend. The final product attracted an estimated **\$250,000** in annual funding from venture capital offerings.
- Collaborated with the startup team with members currently working at Microsoft, Oracle, Amazon, and Apple.

PROJECTS

Wavelength Full-Stack Android Application Fall 2022

<https://github.com/LeoKwo/wavelength>

- Frontend: **Kotlin** and **Retrofit**; Backend: **Spring Boot**, **MongoDB**, **DigitalOcean**; Communication via **Restful APIs**
- A music library management application capable of displaying the current library and updating it with user input data.
- Used Spring Boot to connect to MongoDB, which stores IDs mapped to media files stored in DigitalOcean Spaces. Used Kotlin coroutines to load audio and image files.
- Backend application deployed to **Heroku**

Student Management System Full-Stack Web Development Summer 2022

<https://github.com/LeoKwo/student-management-system>

- Designed and implemented a student management system with **Restful APIs** for **CRUD** operators, input validations, and a frontend web page.
- The system is built using **Spring Boot**, **Spring MVC**, **Thymeleaf**, **Spring Data JPA**, and **MySQL** database deployed using **Docker**.

Exercise Tracker Website MERN Stack Web Development Summer 2022

https://github.com/LeoKwo/mern_exercise_tracker

- Using **MongoDB**, **Express.js**, **React**, and **Node.js** to create an exercise tracker website.
- A fully functional backend that used Express.js and Node.js to connect to **MongoDB**.
- Able to create new users, and add/delete exercise records.

BuddyBase Android Application Spring 2021

<https://github.com/LeoKwo/BuddyBase>

- Designed and implemented an Android application that can provide users with a list of recommended friends based on their personality using Kotlin.
- Primary functionality includes: the ability to like individuals, view their personal contact information, and notify the users when they receive likes from other users.
- Implemented data storage and authentication based on **Firebase** and used Firebase Messaging Services for sending notifications to users when they receive likes.