

Ruikang.Guo

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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

Mobile Development: Kotlin, Retrofit, Coroutine, Glide, React Native

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

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

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

Database Management Certificate: UW 2018 Summer Database Management Certificate program

PROFESSIONAL EXPERIENCES

Day & Nite / All Service New Hyde Park, NY July 2023 - Present

Software Engineer

Designed and implemented an email Chatbot that uses LLMs combined with company proprietary data from static sources and databases to automatically reply emails of customers. Highlights: **System Design**, **OAuth** Authentication, **GenAI + Cloud** Computing, ERP Integration (Sampro)

Soca Networks Remote May 2022 - Sep 2022

Full-Stack Developer Intern

Developed a social network website from the ground up using **React**, **Redux**, **Ant Design**, and other technologies. Improved website's **SEO**, achieving page 2 Google search rankings. Created and managed **Restful APIs** on the backend. Secured **\$250,000** in annual venture capital funding for the final product. Collaborated with a startup team comprising professionals from Microsoft, Oracle, Amazon, and Apple.

PROJECTS

Chatbot for Personal Website GenAI + FastAPI + React Summer 2023

https://github.com/LeoKwo/chatbot_rkguo

Developed an AI-powered chatbot using OpenAI's GPT-3 and the Llama Index for **dynamic document retrieval**. Implemented with Python and **FastAPI**, seamlessly integrated into my personal website for enhanced user engagement.

Wavelength Full-Stack Android Application Fall 2022

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

Created a full-stack Android music library management app using **Kotlin**, **Retrofit**, **Spring Boot**, **MongoDB**, and **DigitalOcean**. Utilized Spring Boot to connect to MongoDB and efficiently manage audio and image files with **Kotlin coroutine**. Deployed backend on **Heroku**, facilitating smooth user experience.

Student Management System Full-Stack Web Development Summer 2022

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

Designed and executed a full-stack student management system with **CRUD** APIs and input validation. Employed **Spring Boot**, **Spring MVC**, **Thymeleaf**, **Spring Data JPA**, and **MySQL**, deployed via **Docker**.

Exercise Tracker Website MERN Stack Web Development Summer 2022

https://github.com/LeoKwo/mern_exercise_tracker

Built an exercise tracker website with the **MERN** stack (MongoDB, Express.js, React, Node.js), enabling user-friendly exercise record management.

BuddyBase Android Application Spring 2021

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

Designed and implemented an Android app for recommending friends based on personality using **Kotlin**. Enabled user actions such as liking individuals, viewing contact information, and receiving notifications. Integrated **Firebase** for data storage, authentication, and notifications, enhancing user engagement.