

# Siana Kong

[Github](#) [LinkedIn](#) [Portfolio](#) [sianabinkong@gmail.com](mailto:sianabinkong@gmail.com)

## EDUCATION

**University of Ottawa** | Ottawa, ON  
Honours B.Sc. in Computer Science

Expected Graduation: **April 2024**  
GPA: **4.0/4.0**

Main interests: Full stack development,  
app development, backend engineering

## TECHNICAL SKILLS

- Java, Python, GoLang, Prolog, Scheme, Ocaml
- Javascript, Node.js, P5.js, React, HTML, CSS
- MySQL, PostgreSQL, MSSQL, Firebase
- Linux, Windows, Git, Android Studio, Django, Flask,
- Database, Trino
- Docker, PowerBI, Apache Superset

## WORK EXPERIENCE

### Full Stack Developer (Co-op)

Jan 2022 - Apr 2022

Nokia | Kanata, ON

- **Dockerized** a **Node.js** application, reducing the need for manual steps for the deployment of the application by automating the installation and setup process of the server.
- Optimized data representation and relations in the existing **MySQL** database server by adding new keys and adjusting existing relations between tables, and used **Trino** for data pooling to combine and use data from different databases (**MySQL**, **MSSQL**).
- Improved problem solving skills by debugging various types of problems such as Proxy/Firewall errors, Database permission errors, Git connection errors, and restoration of a Linux server.

### Software Developer (Co-op)

May 2021 - Aug 2021

Nokia | Kanata, ON

- Enhanced the existing business analytics tool built with **PowerBI** by reducing the dashboard setup time by **50%**, as a result of rebuilding the server on **Apache Superset** with **React** and **Python**.
- Designed and implemented a data pipeline in **Python** and **Javascript** to stream data from Excel sheets to MySQL server, and optimized by eliminating repetitive data migration process.
- Created dashboards representing business analytics by forming combinations of data with SQL queries.

### Front-end Developer (Co-op)

Jun 2020 - Aug 2020

University of Ottawa | Ottawa, ON

- Developed a web application that allows users to build circuits and create visual representations of complex biological data with biological components, built mainly with **Javascript** on **Django**.
- Designed the web application from scratch by studying the necessary biological components and experimenting with the visual components to provide the best API for beginner users.

## PROJECTS

### CRAICK.net | [Web Game Development](#)

- Created a web game that engages users to guess the prompt that was used to create the AI-generated images displayed on the page. Mainly implemented using **Javascript**.

### VLU (Virtual Lineup) App | [Web App Development](#)

- Designed a virtual lineup application using **React**, where users can virtually line up for stores and store owners can create queues for customers to line up.

### Hotel Lookup App | [Database, OOP](#)

- Implemented a hotel booking application where customers can search for registered hotels by name or location and book available rooms for specified dates. Implemented using **Java** and **PostgreSQL**.

### Service Novigrad | [Database, OOP, Android App Development](#)

- Built a service provider application on **Android Studio**, where the admin can upload different services, employees can set where and when to provide them, and customers can search and apply for the services. Mainly implemented using **Python**, **Java**, and **Firebase database**.

## ACTIVITIES

### Vice President Equity

May 2020 - Apr 2021

Computer Science Student Association | University of Ottawa

- Organized and promoted events regarding social issues, such as BLM and mental health awareness.
- Planned academic and social events for all students in Computer Science and the Faculty of Engineering.