

# Rangi Arambewela

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rangiarambewela.github.io/portfolio

## PROFESSIONAL EXPERIENCE

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### Stan Technology Inc.

Toronto, Ontario, Canada

Full Stack Engineering Intern

May 2022 – Aug 2022

*A start-up building an online platform for creators to sell their digital products*

- Implemented responsive layouts and interactive components on multiple pages using Vue.js and Bootstrap to improve user experience on various devices
- Led development of main landing page using HTML, CSS, Bootstrap, and JavaScript to increase customer conversion rate (see first page at: [www.stan.store/](http://www.stan.store/))
- Collaborated with cross-functional teams, including UX/UI designers, business, and engineering teams, to finalize features for optimal user experience
- Launched a feature for managing subscriber payments using Flask, Stripe API and webhooks to synchronize Stripe data with Stan's MySQL database
- Participated in weekly sprints and rigorous code review with the engineering team using Git, Bitbucket and Jira

## PROJECTS

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### RezReview | Browse and Review Rental Listings

*A full-stack web application allowing users to create accounts, browse and review rental listings*

View: <https://desolate-journey-21154.herokuapp.com/>

- Built an Express-based web application using Express.js and Node.js to set up servers and establish routing, deployed on Heroku
- Developed a RESTful API implementing CRUD operations to allow users to create, edit, delete their posts, and review existing posts from others
- Managed user data and listing reviews using MongoDB

### Productivity Management System | C++ Desktop Application

*An application to assist students with task management, scheduling, and progress tracking*

- Developed an object-oriented dashboard using Qt (C++) with custom input forms and validation, an interactive calendar, and to-do list components
- Implemented the singleton design pattern for single-point access to user information within the application
- Designed normalized database schema in SQLite to store user and task metadata

## EDUCATION

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### University of Western Ontario

London, Ontario, Canada

Bachelor of Medical Science

Sep 2017 – Feb 2023

*Double Major: Computer Science and Physiology*

- Relevant Coursework: Software Engineering (Test-Driven Development, Software Lifecycle), Introduction to Relational Databases (SQL), Data structures & Algorithms I and II in Java, Python Programming, Object-Oriented Design (Design Patterns)

## SKILLS AND INTERESTS

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**Technical:** JavaScript (Vue.js), HTML, CSS, Bootstrap, Python (Flask), Java, MySQL, C++, Git

**Interests:** Chinese/Korean Dramas, Volleyball, Mystery/Thriller Books