

SKILLS

Languages

C/C++, Java, JavaScript, Prolog, Scheme, Python, R

Technologies & Frameworks

Qt, React, HTML, MongoDB, SQL, Android Studio, Git, Postman, Premiere

PROJECTS

Movie Database

- Used **JavaScript** to design and develop a movie information database, where users can rate and comment on their favorite movies
- Designed front end using **Pug** template engine to enable dynamic, and lightweight web pages
- Stored movie information and user login information using **MongoDB** and content served with Express
- Performed extensive unit testing and integration testing using **Postman**

Embedded Software Simulator

- Simulation of embedded software in micro-current biofeedback devices similar to DENAS products, including different treatment modes and settings
- Designed and planned out the project by use cases, UML class, sequence, and activity diagram
- Develop, create and modify software using **C++** in **Qt5** Creator UI development framework

Household Chore Manager

- Created an **android** app for managing and coordinating household chores among housemates
- Designed **NOSQL** schema for Firebase Real-time Database, and a seamless user experience
- Leveraged **Firebase** authentication for user login, securely providing multiple login methods, and tightly integrated Firebase Database

EXPERIENCE

Software Developer Intern

Nov 2021 - Mar 2022

Zhaoyuan Information Technology Co Ltd

- Engaged in the planning and development of a new workflow management app, worked with product management to ensure the clients' requirements were met in a timely manner
- Designed and developed multiple workflow management windows using **Qt5** and **QML** to work with existing applications
- Worked with other teams to implement different management features using **C++**

Teaching Assistant

Aug 2016 - Dec 2016

Eden Secondary High School

- Collaborated with the lead teacher to present over 15 lessons
- Communicated with parents to provide updates on student
- Created homework for students and assisted in answering questions

EDUCATION

Carleton University

Sep 2017 - Jul 2021

Bachelor of Computer Science Major, Minor in Mathematics