

Christopher Tan

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TECHNICAL SKILLS

Languages: Python, Java, Kotlin, C/C++, Haskell, JavaScript, HTML/CSS, MySQL, Assembly, MATLAB, Octave
Frameworks: React, Node.js, EJS, Bootstrap
Developer Tools: Git, TravisCI, VS Code, Heroku, Vercel, Android Studio, Linux/Unix, Windows

EDUCATION


Simon Fraser University Burnaby, BC
Bachelor of Science, Computing in Software Systems — CGPA: 3.62 May 2022 - May 2024

Relevant Coursework: Intro to Computer Systems, Probability and Computing, Database Systems I, Mobile App Development, Networking, Distributed Systems

Langara College Vancouver, BC
Associate's in Science, Computer Science — CGPA: 3.69 Aug 2020 - May 2022

Relevant Coursework: Algorithms and Data Structures, Software Practices, Linear Algebra, Discrete Math

PROJECTS

Readinglist | *React, Javascript, Vercel* —   Jan 2023

- Deployed a mobile-responsive website that allows users to organize manga titles by utilizing the **Jikan API**
- Optimized component communication by implementing **Global Context** using React's **Context API**
- Designed a seamless system for storing entries using **localStorage** and **React Hooks** to set and get items

myRuns | *Android Studio, Kotlin* —  Dec 2022

- Designed an exercise tracking app that uses the **MVVM-model**, enabling efficient data entry and storage
- Built a live map display that tracks movement by integrating **services** and utilizing the **GoogleMaps API**
- Implemented an **activity recognition feature** by using a classification model in **Weka** based of training data
- Utilized **RoomDatabase** to store entries and display the as they are **updated real-time**

CShell | *C, Linux/Unix* —  Oct 2022

- Created a CLI that closely emulates a Linux command line by utilizing **forks** and **system calls**
- Formulated an efficient method for listing files and directories in a file system by using **system calls** and recursion

Organization Website | *EJS, Bootstrap, Vercel* —   Aug 2022

- Deployed a **full-stack website** for a student association, SFUIA, using **Next.js** through **Vercel**
- Implemented a Contact Form that allows users to send messages through the website by using **FormSpree**
- Effectively managed the creation of the project by using an **Agile** approach and utilizing a **Kanban Board**

EXPERIENCE

Teaching Assistant Sep 2020 - Present

Department of Computer Science, Langara College

- Responsible for marking assignments of students taking the Algorithms and Data Structures course in Langara, demonstrating a strong understanding of course content
- Created a **rename-and-unzipper script** using **Python**, streamlining the process of organizing file submissions

Web Developer Jul 2022 - Present

SFU Indonesian Association, SFUIA

- Collaborated with 2 other developers to pioneer SFUIA's website using Next.js with Bootstrap components
- Assess and discuss plans on upcoming events along with fellow SFUIA executive members