Christopher Tan

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TECHNICAL SKILLS

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

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

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**
- Used forks to properly distribute work between parent and child processes
- Formulated an efficient method for listing files and directories in a file system by using **system calls** and recursion

Weatherly | *HTML, EJS, Node.js, Heroku* — ⌗   Apr 2021

- Deployed a weather app that uses the **One Call API** and deployed through **Heroku**
- Designed a robust **CI/CD pipeline** through **github actions** to run **test cases** before deployment
- Applied the **Prototyping** model and leveraged **github issues** to provide a framework for the development process

ORGANIZATION

Web Developer   Jul 2022 - Present
SFU Indonesian Association, SFUIA | EJS, Bootstrap, Vercel — 🔗, ⌗

- Collaborated in a team to deploy a **full-stack website** SFUIA, using **Next.js** with **Bootstrap** components
- 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**

EDUCATION

Simon Fraser University   Burnaby, BC
Bachelor of Science, Computing in Software Systems — CGPA: 3.62   *May 2022 - May 2024*
Langara College   Vancouver, BC
Associate's in Science, Computer Science — CGPA: 3.69   *Aug 2020 - May 2022*