YECHENG WANG

VANCARII.GITHUB.IO

🏠 Port Moody, British Columbia

🌐 https://github.com/Vancarii

✉️ ywa415@sfu.ca 📞 778-636-7881

EDUCATION

Simon Fraser University 2022 – Present   **Burnaby, BC**

BSc in Computer Science, Minor in Cognitive Science   3.45 GPA

SUMMARY OF SKILLS

Software

- Confident programming in C, C++, Python, Dart, R, MATLAB, Assembly Language (RISC-V), Swift, LaTeX
- Familiar with popular frameworks such as Flutter, React, and SwiftUI
- Proficient in UDP networking technologies and writing IPC programs
- Self-learned database platforms such as MySQL and Firebase
- Experience working with software development methodologies such as Agile and Scrum
- Familiar with Unity game engine

Applications

- Skilled with Git version control and GitHub team collaboration
- Excellent with Visual Code, Android Studio, Overleaf, Microsoft Office, Adobe Creative Cloud
- Experience using Windows, Linux, and Mac OS

Transferrable Skills

- Strong verbal and written communication skills
- Proficient time management and commitment
- Adept at identifying and resolving complex issues
- Communicative Mandarin

PERSONAL PROJECTS

MeetPup Mobile Social Application   June 2020 - Sept 2022

https://github.com/Vancarii/meetpup

- Developed a social platform with the Flutter Framework to connect dog owners in the area
- Designed app UI templates with the effective use of tools such as Adobe XD and Figma
- Created a cloud-based database with the Firebase SDK to enable user authentication and messaging
- Implemented the Google Maps API to allow users to easily navigate and discover nearby events
- Conducted user tests by running application on both physical devices and emulators to ensure proper functionality

Stario Mobile Music Platform   June 2020 - Sept 2022

https://github.com/Vancarii/stario

- Collaborated and discussed primary objectives and goals with the client prior to implementation
- Designed app UI using Adobe XD initially for visual demonstration and client's approval
- Implemented Audio playback, shuffle, seek bar, and other must have features
- Connected Firebase database to enable users to post new music and keep track of their content

Archer's Escape - Platformer Video Game   Sept 2019 - June 2020

https://github.com/Vancarii/archers-escape

- Learned the fundamentals of Python modules such as Pygame to design a platformer video game
- Worked alongside an audio engineer to develop engaging gameplay
- Created pixel art using Adobe Illustrator for different components and characters of the game

YECHENG WANG

VANCARII.GITHUB.IO

🏠 Port Moody, British Columbia

🌐 https://github.com/Vancarii

✉️ ywa415@sfu.ca   📞 778-636-7881

ACADEMIC PROJECTS

Business Beacon Web Application

Fall 2023 - Dec 2023

Introduction to Software Engineering (SFU)

https://github.com/AdamBahramiSchool/BusinessBeacon

- Worked with a group of 4 team members using React and Node JS to create and develop a web application
- Followed the Agile methodology and development approach to ensure collaboration and progress
- Conducted group meetings to discuss and analyze the distribution of tasks among members
- Managed version control using Git and GitHub and to increase team communication
- Learned HTML, CSS, and Javascript throughout the project and implemented the Google Maps API

IPC and Concurrency Program

Fall 2023 - Dec 2023

Introduction to Computer Systems (SFU)

- Developed a program that runs concurrent threads for, reading, writing, sending, and receiving between processes
- Utilizes condition variables and semaphores to ensure concurrency and encapsulation between threads
- Learned to create sockets and ports for sending and receiving messages across multiple computers
- Developed a thorough understanding of the relationships and roles of components within a running process

PCB's and Process Scheduling Simulator

Fall 2023 - Dec 2023

Introduction to Computer Systems (SFU)

- Implemented a command-driven process scheduling simulation, demonstrating strong skills in systems development
- Created functions for process creation, forking, and termination, ensuring efficient management of processes
- Added support for semaphore operations, including initialization, P (wait), and V (signal) commands
- Developed a user-friendly interface with command-driven inputs, utilizing ANSI escape codes for improved command-line user experience

WORK EXPERIENCE

Sales Associate

Mar 2022 - Oct 2022
Burnaby, BC

Trek Bicycle

- Delivered exceptional customer service by evaluating customer needs and making thoughtful recommendations
- Built strong customer relationships and provided high-value services
- Consistently exceeded monthly sales goals, resulting in an increase in revenue for the store
- Collaborated with team members to improve sales processes and procedures

Summer Camp Tennis Coach

July - Aug 2016
Mississauga, ON

Credit Valley Tennis Club

- Coordinated tennis activities for children aged 6 to 16, resulting in high levels of engagement and satisfaction
- Opened and closed the club, maintained equipment, and brushed clay courts, ensuring a safe and enjoyable experience for all campers
- Supervised camp participants and ensured their safety and well-being at all times
- Provided progress reports to parents, resulting in positive feedback and repeat business for the club