

Justin (Guanxiang) Wang

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EXPERIENCES

- **Software Development** - Android Application Present
 - Outcome: Developed an Android Application enabling employers to hire people for small tasks and individuals to earn income.
 - Implemented functionalities including Job Searching System with filters and preference storage, User Registration System, etc.
 - Led team in developing **CI/CD pipelines**, **Junit and Espresso tests**, **UI design**, and **Firebase** connectivity and maintenance.
 - Troubleshoot technical issues, including database connectivity issues, by researching official documentations & online resources.
 - Taught and led the team to use **Java**, **Agile Methodology**, **Git/GitLab**, and **Linux** during the development process.
 - Applied strong **communication skills** to collaborate effectively with clients, resulting in **high satisfaction with the cooperation process and the product**.
- **Web development** - User Profile Management System Dec. 2022
 - Outcome: Developed a **responsive** website that enables users to quickly and securely log in and register for the platform.
 - Utilized **HTML/CSS/Bootstrap**, **PHP**, **MySQL**, and **phpMyAdmin** for front-end and back-end tools.
 - Applied **Regular Expressions** to accurately validate user input and ensure that it meets the required formatting standards.
 - Stored users' data with **Cookies** and **Session** for personalized welcome message containing users' usernames upon login.
 - Worked hard to debug PHP session issues, persistently pursuing solutions until achieving success.
- **To-do List APP** Nov. 2022
 - Outcome: Developed an application that enables users to manage their to-do list by adding, clearing, and listing all the tasks.
 - Applied **HTTP/CSS/JavaScript**, **React.js**, and techniques including **Conditional rendering**, **Event listener**, etc.
 - Encountered difficulty in understanding the syntax of React.js and faced numerous bugs while working with it, but successfully resolved the issues after **researching online resources** and **seeking guidance from experienced peers**.
- **Huffman Coding Calculator** Nov. 2022
 - Outcome: Developed an algorithm that can convert a text to a series of numbers composed of "0" & "1"
 - Used **Java** to efficiently solve the problem (applied clean code principles), leveraging my strong understanding of **Object-Oriented Programming (OOP)**, **Recursion**, and **Binary Tree Data Structure**.
 - Achievement: eliminated manual calculations for obtaining Huffman Code of words/sentences. Made the process much easier.
- **Harvard CS50's Web Programming with Python, Django, and JavaScript** Present

SKILLS

- **Java, C, Python, HTML/CSS/JavaScript, Agile Methodology, SDLC, GIT, MySQL, Bootstrap, PHP, UI/UX, etc.**
- Self-taught **React.js, Python, and Django** through online tutorials, showcasing my commitment to continuous learning.

EDUCATION

- Bachelor of Computer Science, Dalhousie University** Sep. 2021 - May. 2025
 - **Cumulative GPA: 3.94/4.30 (Awarded 2022 Comp Sc Dean's List Awd)**
 - Courses: Software Engineering (Agile, CI/CD, Git, Testing), System Programming (Linux, C, Assembly), Data Structures and Algorithms, Java OOP, Web Development, Database Systems, Network Computing, etc. **Consistently earning A+ grades.**

EXTRACURRICULAR ACTIVITIES

- Demonstrated **Time Management skills** by consistently uploading videos on my [Bilibili Channel](#).
- As a content creator, I achieved **4,000 subscribers and 300k views within two months** by engaging audiences through interesting topics, creative content, and strategic promotion.