

## EXPERIENCE

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|--|--|-------------------|
| <b>Bluebits Technologies</b>   | Software Developer                           | 07/2022 - Current |
| <ul style="list-style-type: none"><li>• Developed and maintained a client management website using Angular with custom APIs, serving 50,000 customers and facilitating over 700,000 deliveries using our service.</li><li>• Enhanced user experience by restructured data retrieval process, moving from a promise-based approach to a more appropriate pagination + manual data retrieval system. This change resulted in &gt;90% improvement in performance.</li><li>• Maintained cross-platform mobile applications for Android and iPhone using Angular. Achieved 150% increase in download count across iOS App Store and Google Play Store in the past year.</li><li>• <i>Technologies used: Angular (Typescript/HTML/CSS), Spark, Android Studio, Xcode, GitLab</i></li></ul> |  |                   |
| <b>Freelance</b>   | Client Management (CRM) + Accounting Program | 06/2023 - Current |
| <ul style="list-style-type: none"><li>• Engineered a CRM &amp; accounting solution in Python with tkinter GUI, Google API, and MySQL, achieving a 50% reduction in data retrieval time and 1200% (12 times) boost in user error reduction compared to previous system.</li><li>• Pioneered an automated revenue reporting function to enable data analytic. This feature streamlined the business's analytical process, contributing to a 200% boost in overall accounting efficiency.</li></ul>   |  |                   |
| <b>BlueMyth</b>  | Software Quality Assurance                   | 05/2021 - 07/2022 |
| <ul style="list-style-type: none"><li>• Utilized Android Studio to monitor machine and app performance, optimizing RAM usage and identifying potential issues, resulting in a 15% reduction in app crashes.</li><li>• Developed and implemented test plans and strategies, contributing to a 20% increase in overall test coverage.</li><li>• Conducted performance testing on the Android machine, optimizing API calls and reducing average response time by 18%.</li><li>• <i>Technologies used: Android Studio, GitHub, GitLab, ADB, Jasmine, Xcode, Angular, Typescript, scrapy, Python</i></li></ul>   |  |                   |

## PROJECTS

- Activity Auto Track Mobile App (Android)**
- Collected activity data (standing, walking, running), applied Weka for machine learning, integrated the generated model into an app for real-time activity identification. Implemented Google Maps API to enable automatic GPS data tracking.
  - Utilized core smartphone functions (eg gyroscope, accelerometer) to deduce speed & location. Used methods other than LLM.
  - *Technologies used: Kotlin, Android Studio, Weka*
- RISC-V Architecture Reconstruction**
- Rewrote RISC-V architecture and instructions in C and C++, showcasing expertise in lower-level programming, system design, and bit-level operations for data manipulation.

More on my [Portfolio Website](#).

## EDUCATION

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|---|--------------------|-------------------------|
| <b>Computer Science</b>   | Faculty of Science | Simon Fraser University |
| <ul style="list-style-type: none"><li>• Core Topics:<br/><i>Algorithm design, Data Structures, OOP, Database Systems (SQL), Operating Systems (Assembly, RISC-V), Networking, UX Design, System Security, Cryptography, AI Algorithms, Machine Learning Algorithms.</i></li></ul> |                    |                         |

## SKILLS

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|------------------------------|--|
| <b>Programming Language:</b> | C   C++   Python   JavaScript   TypeScript   Kotlin  |
| <b>Framework:</b>            | Angular   Node.js   HTML   CSS   Bootstrap   Spark   npm   ionic   |
| <b>Tools/Technologies:</b>   | Linux   Bash   Frontend   Backend   Full-Stack   CI/CD   Data Pipeline   Google API   Github   GitLab   Weka   Figma   Xcode   Android Studio   OOP   Jira |
| <b>Languages:</b>            | English   Cantonese   Mandarin   |

( ALL REPOSITORIES AVAILABLE ON MY [PORTFOLIO WEBSITE](#) )