LEON LEE
Software Developer

⭐ **Portfolio** | 📱 604-600-1357 | in **LinkedIn** | ✉ aaaaaleon@gmail.com

EXPERIENCE

Bluebits Technologies / Software Developer — 07/2022 - Current

- 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.
- 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 >90% improvement in performance.
- 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.
- *Technologies used: Angular (Typescript/HTML/CSS), Spark, Android Studio, Xcode, GitLab*

Freelance / Client Management (CRM) + Accounting Program — 06/2023 - Current

- Engineered a CRM & 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.
- 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.

BlueMyth / Software QA — 05/2021 - 07/2022

- Utilized Android Studio to monitor machine and app performance, optimizing RAM usage and identifying potential issues, resulting in a 15% reduction in app crashes.
- Developed and implemented test plans and strategies, contributing to a 20% increase in overall test coverage.
- Conducted performance testing on the Android machine, optimizing API calls and reducing average response time by 18%.
- *Technologies used: Android Studio, GitHub, GitLab, ADB, Jasmine, Xcode, Angular, Typescript, scrcpy, Python*

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

Computer Science / Faculty of Science — Simon Fraser University

- Core Topics:
  Algorithm design, Data Structures, OOP, Database Systems (SQL), Operating Systems (Assembly, RISC-V), Networking, UX Design, System Security, Cryptography, AI Algorithms, Machine Learning Algorithms.

SKILLS

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

(ALL REPOSITORIES AVAILABLE ON MY **PORTFOLIO WEBSITE**)