Kelvin Wong

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TECHNICAL SKILLS

Languages & Frameworks	Python • Javascript/Typescript • Node.js • Java • JUnit • C/C++ • ARM • React.js • HTML/CSS • Tailwind
Technologies	Git • Google Cloud • Azure • Docker • MongoDB • SQL • Jira • Linux • Postman • Express • Webpack • Jest

EDUCATION

University of British Columbia - *Bachelor of Applied Science in Computer Engineering*　　**EXPECTED MAY 2025**
- Dean's Honour List - CGPA: 4.1 | 87%
- Trek Excellence Scholarship – Awarded to top 5% in faculty

WORK EXPERIENCE

ARIS Environmental ⧉　　　　　　　　　　　　　　　　　　　　　　　**MAY 2023 - PRESENT**
Software Developer Intern　　　　　　　　　　　　　　　　　　　　　　　　*Python, Azure, JIRA*
- Collaborated closely with the CEO of a start-up company to design and implement a range of web-based analytics tools, including the TUV Calculator, leveraging **Python** for its development
- Employed **JIRA** software to facilitate efficient team communication and ensure timely client updates on development progress
- Advocated for the adoption of **Docker**-based image deployment to successfully deliver a cloud service using **Azure serverless** functions within a tight deadline of 2 weeks
- Efficiently onboarded to a new codebase by rapidly comprehending the existing code, resulting in effective contributions to the development process within just 3 days

PERSONAL PROJECTS

Mittens ⧉　　　　　　　　　　　　　　　　　　　　　　　　　　**APR 2022 - PRESENT**
Personal Project　　　　　　　　　　　　*Typescript, SQL, TypeORM, Sentry, Jest, Docker, GCP*
- Developed a widely used Discord bot that allows over **30+ users** to subscribe to specific YouTube channels, receiving timely notifications for new schedules and live streaming events
- Utilized an **SQL database** with ORM client to save 80% of development time and reduce database fetching times by 250%
- Leveraged Docker and customized **GitHub Action workflows** to build and deploy code to a personal server managed with Portainer containing 8+ other containers, resulting in a 30% increase in development productivity
- Refined project objectives through **Agile** methodology to create a customized solution aligned with user needs

3FA ⧉　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**MAR 2023**
Full-Stack Developer　　　　　　　　　*React.js, Electron, TailwindCSS, Webpack, SQL, Python, Flask, Vite*
- Spearheaded the development of an Electron app that enables users to securely access and control their cloud storage system
- Designed and developed 15+ custom reuseable **React components** reducing development time by 30% and increasing consistency across the application, resulting in an improved user experience
- Collaborated closely with backend developers to integrate frontend and backend components, ensuring secure communication through **20+ API endpoints** with session token authentication and implementing endpoints based on frontend requirements
- Actively participated in code reviews, ensuring code quality and best practices through valuable feedback and suggestions
- Engaged in regular discussions and brainstorming sessions with team members to design and implement the networking system, considering the interactions between hardware and software components

Tasks, Objectives, and Discussions Organized / nwHacks2023 ⧉　　　　　　　　　**JAN 2023**
Full-Stack Developer　　　　　　　　　　　　　　*Python, Flask, React, HTML, CSS, MongoDB*
- Built a platform to streamline access to course information and assignments, making life easier for students
- Demonstrated initiative by creating and tracking tasks using Trello, completing the project within a tight 24-hour deadline
- Constructed custom **classes** to efficiently manage data from multiple APIs, improving data organization and retrieval
- Leveraged **higher-order functions and closures** in JavaScript to enhance code reusability, reducing development time by 10%

COURSES

Data Structures & Algorithms I: 88%	JAN 2023	**Computer Engineering Design: 93%**	JAN 2023
Computing Systems: 89%	SEP 2022	**Calculus I-IV: 88%**	SEP 2021 - JAN 2023
Software Construction: 87%	SEP 2022	**Linear Algebra: 97%**	SEP 2021