

Kelvin Wong

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Personal Website

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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 • GCP • Azure • Docker • MongoDB • SQL • Jira • Linux • Postman • Express.js • Webpack • Jest

EDUCATION

University of British Columbia - *Bachelor of Applied Science in Computer Engineering*

EXPECTED SEP 2025

- Dean's Honour List - CGPA: 4.1 | 87%
- Trek Excellence Scholarship – Awarded to top 5% in faculty

WORK EXPERIENCE

ARIS Environmental 
Software Developer Intern

MAY 2023 - PRESENT
Python, Azure, JIRA

- Collaborated closely with the CEO of a start-up company to design and implement several web-based analytic tool, utilizing **Python** to complete the development of an innovative B2B cloud-based service
- 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 
Backend Developer

APR 2022 - PRESENT
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 requirements through **Agile** methodology to create a customized solution aligned with client needs

3FA 
Full-Stack Developer

MAR 2023
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 reusable **React components** reducing development time by 30% and increasing consistency across the application, resulting in an improved user experience
- Integrated frontend and backend by querying **20+ API endpoints** with a session token authentication system to adhere to OWASP security standards, fortifying the application against potential security breaches
- Collaborated on the development of a scalable backend system, enabling a 100% increase in concurrent user connections

TODO: Tasks, Objectives, and Discussions Organized / nwHacks2023 
Full-Stack Developer

JAN 2023
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 - APR 2023

- Gained in-depth knowledge and practical skills in algorithmic problem-solving and efficient data management.