Danny Wei

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EDUCATION

University of British Columbia   **Vancouver, British Columbia**
B.S. Combined major in Computer Science and Statistics   *Expected Graduation, Dec 2024*

- o   **Concentrations:** Software Engineering
- o   **Related Coursework:** System Design, Computer Networking, Computer Programming, Combinatorics, Statistical Analysis, Linear Programming, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

SAP   **Vancouver, British Columbia**
DevOps Engineer Intern   *Sept 2023 – Present*

- Implemented a machine learning feature for deployment failure classification enabling quicker error handling
- Oversaw the migration of Gerrit servers to a serverless architecture, optimizing performance for SAP S/4 HANA development by achieving a 20% improvement in read times and a 30% increase in load capacity for write operations.
- Managed the updating and testing of numerous existing CI/CD jobs, guaranteeing a seamless transition during the migration of Git Gerrit servers to ensure the absence of any disruptions or failures in the process.
- Innovated a streamlined deployment process for cloud operations, resulting in up to a 50% reduction in production deployment times.

Diligent   **Vancouver, British Columbia**
Software Engineering Intern   *Jan 2023 – Aug 2023*

- Led and executed front-end development in React as a pivotal part of the product release, contributing to a successful launch
- Collaborated closely with UI/UX designers to integrate design seamlessly into the existing user experience
- Played a key role in the migration from an in-house server design to AWS, employing IaC tools like Terraform to automate infrastructure provisioning and configuration

Copperleaf Technologies   **Vancouver, British Columbia**
Software Engineering Intern   *Jan 2022 – Aug 2022*

- Enhanced database performance significantly by refactoring the Oracle database schema using best practices, leading to a 50% improvement in data retrieval fetch times
- Revamped the Angular front-end by redesigning and updating legacy components, aligning them with modern design principles to improve the overall user experience
- Collaborated with the development team, utilizing C# to write foundational code for seamless integration of AI into the existing product

PROJECTS

Full stack photo sharing photo album
Team Member   *July 2023 – Aug 2023*

- Collaborated with team to design and create a full stack application inspired by VSCO using React and Redux for the front end, and express and MongoDB database back end
- Developed RESTful APIs using Express, allowing seamless communication between the frontend and backend components
- Leveraged react redux for state management, ensuring efficient data flow and improved performance

Transit system database
Team Member   *September 2022 – Nov 2022*

- Developed a comprehensive transit system application using PHP and Oracle SQL, showcasing proficiency in full-stack development to deliver a robust and user-friendly solution
- Designed and implemented database architecture, leveraging Oracle SQL, to efficiently model and manage transit-related data, demonstrating a keen understanding of database optimization and system performance

SKILLS

Programming: Java, Python, TypeScript, HTML/CSS, SQL, Node.js, React.js, R
Tools: Docker, Shell, Oracle, VScode, AWS, Jupyter Notebooks, Git, Agile, R studio