

Lok Bond (James) WU

<https://jameswuu.netlify.app/>

CONTACT

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SKILLS

Technical (Full Stack):

- HTML, CSS, JS, TS
- React
- Firebase (Database, Hosting, Authentication, Functions, Deploy)

- Cline

- Git, GitHub (CI/CD, Version Control)
- SQLite, NOSQL
- AWS(S3, Lambda, DynamoDB, IAM, Cognito)

Practical:

- Problem Solving
- Time management
- Leadership
- Adaptability

EDUCATION

Harvard X

Verified Certificate

CS50x: CS50's Introduction to Computer Science

Aug 2024 – Oct 2024

The University of British Columbia

Bachelor of Applied Science, Civil Engineering (Distinction)

Dean's List: 2019 – 2024

CGPA: 88%

Sep 2019 – Jun 2024

EXPERIENCES

GeoPacific Consultants Ltd.

Jul 2024 – Aug 2024

Engineering in Training

- Prepared professional memos and reports summarizing findings and recommendations, effectively communicating complex technical information to team members and stakeholders.
- Collaborated with senior engineers and project managers to develop strategies for addressing challenges encountered during testing and investigation phases, contributing to the overall success of engineering projects.

Canadian Society for Civil Engineering Student Chapter

Sep 2023 – Jun 2024

VP Finance

- Managed the income and expenses of the student club, ensuring accurate record-keeping and adherence to budgetary guidelines.
- Participated in event planning and organization, coordinating logistics, budgeting, and financial aspects to ensure successful and engaging club activities.

Wilson & Associates Limited

Aug 2022 – Aug 2023

Structural Engineering Intern

- Collaborated with engineers to optimize designs of the existing Revit model by incorporating latest updates and enhancements.
- Generated AutoCAD drawings for a variety of reinforced concrete (RC) design projects according to specifications and design parameters.
- Demonstrated excellent communication skills by effectively articulating ideas and resolving engineering challenges.
- Developed models to analyze and evaluate shear, moments, and forces acting on structures, ensuring alignment with building codes.

UBC integrated Transportation Research (UiTR) Laboratory

Jan 2022 – May 2022

Research Assistant

- Utilized QGIS for spatial analysis by plotting data coordinates onto a map, enabling insight into geographical significance.
- Conducted correlation analysis between variables using Excel, interpreting results to provide recommendations based on findings.

Greenpeace

Nov 2020 – Aug 2021

Plastic Free Ambassador

- Led teams to engage with restaurants, advocating for awareness about the detrimental effects of plastic pollution.
- Established partnerships with local environmental organizations, government agencies, and community groups.
- Amplified the impact of campaigns and fostered a broader movement towards plastic reduction through strategic collaborations.

TECHNICAL PROJECTS

Buffalo-Print

Feb 2025 – Mar 2025

- Designed and developed a responsive, multi-page, full-stack e-commerce web application utilizing React, Firebase, and Stripe.
- Integrated key features including user authentication, a dynamic product catalog, a streamlined shopping cart and checkout process, and an order history system.
- Leveraged Firebase to implement secure hosting, robust user authentication, and an efficient database infrastructure.
- Architected and managed multiple datasets within Firestore by creating optimized collections and documents for enhanced data organization and retrieval.
- Configured GitHub Actions to automate continuous deployment, ensuring seamless updates to the latest application version.

Quizasy

Jan 2025 – Feb 2025

- Developed a multi-page, responsive full-stack web application using React, allowing users to create, review, and test their knowledge
- Implemented hosting, authentication (including both email and Google sign-in options), and a database system using Firebase.
- Created various collections and documents in Firestore to effectively manage multiple datasets
- Designed multiple pages to manage different sections of the application, facilitating easy access to essential information for users.
- Established an Auth.context component to efficiently manage user data, global data, and other relevant information.
- Set up GitHub Actions to enable seamless continuous deployment of the latest application version.

Fantasktic

Jan 2025 – Jan 2025

- Developed a single-page task management web application using React, empowering users to manage tasks and track their schedules
- Implemented hosting, authentication, and a database system using Firebase.
- Structured various components using JSX to effectively manage the states of different variables.