

DAVID LIM

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EDUCATION

University of British Columbia

September 2021 – May 2027

Bachelor of Science in Mathematics, Minor in Data Science, Co-operative Education Program

Vancouver, BC

- **Relevant Coursework** - Data Structures & Algorithms, Software Construction, Computer Systems, Relational Databases, Applied Machine Learning, Artificial Intelligence
- **Science Undergraduate Society (Club)** - Software Development Lead (2024-present), Associate Vice President Communications (2024-2025), Media Lead (2023-2024), Content Writer (2022-2023), Events Lead (2022)

SKILLS

Languages: Python, JavaScript/Typescript, Java, R, ReactJS, HTML, CSS/SCSS

Developer Tools: Git/GitHub, MySQL, Docker, Jenkins, AWS, Jupyter, Postman

Frameworks/Libraries: Pandas, NumPy, Matplotlib, Tensorflow, Scikit-learn, Express/NodeJS, Next.js

Soft Skills: Agile development, sprint planning, technical documentation, fluency in English and Korean

EXPERIENCE

Security Software Engineer Intern | *Python, Jenkins, Docker, Risk & Governance, DevSecOps* September 2025 – Present SAP Vancouver, BC

- Developed **Python**-based scripting solutions to integrate application security scanning tools, enabling automated vulnerability detection with **Docker and Jenkins**, and generating actionable KPIs for development teams utilizing SAP's HANA database and analytics platform.
- Maintained and supported core security services, including authentication and authorization systems used by over 100 services and libraries within SAP Analytics Cloud, while hardening SAP's digital infrastructure through proactive patch management across open-source dependencies and CI/CD pipelines.
- Performed vulnerability assessments, penetration testing, and compliance audits across applications, infrastructure, and networks, mitigating risks before they impacted production.

Software Development Lead | *React, TypeScript, Git/Github, Figma, WordPress, Notion* June 2024 – Present UBC Science Undergraduate Society Vancouver, BC

- Managed a team of 5 developers and 2 UI/UX designers to design, build, and maintain the new website using **React (Next.js)**, **TypeScript**, and **Figma**, demonstrating strong **team collaboration** and technical leadership.
- Maintained the team's **Git workflow**, reviewed code for quality, and used **Notion** for project management.
- Enabled access to resources for over 16,000 UBC science undergraduates by leveraging modular components, React Hooks, and the Context API for efficient state management, resulting in a 30% increase in user engagement.

Software Developer (Freelance) | *React, Next.js, Tailwind, Postman* March 2025 – April 2025 Trickster's Hideout Vancouver, BC

- Developed the application using **React (Next.js)** and **RESTful APIs**, implementing complex data transformation and aggregation logic in **TypeScript** to normalize inconsistent third-party data into structured, queryable formats.
- Enhanced cross-platform user workflow by reducing navigation steps by over 70%, improving sales data accessibility through centralized dashboard components built with **React Hooks** and **Tailwind CSS**.

Software & AI Developer | *React, React Native, Python, TensorFlow, Machine Learning, AI* May 2024 – November 2024 DraapeAI Vancouver, BC (Remote)

- Developed a mobile app for body measurement prediction using **React Native** and integrated ML models, demonstrating ability to handle technical ambiguity and self-guided learning of complex systems.
- Created a computer vision AI model in **TensorFlow** for accurate body measurement predictions.
- Communicated daily with stakeholders, including the CEO, to clarify user requirements and align project goals.

PROJECTS

Hootsuite Product Challenge - 1st Place | *Product Strategy, UI/UX Design, Technical Presentation* May 2024

- Led the product strategy and UI/UX design in **Figma**, presenting the prototype and pitch to Hootsuite executives.
- Awarded 1st place among 13 teams for delivering a solution with strong market fit and clear user value.

StormHacks 2024 - Runner Up | *JavaScript, Python, React, React Native, Flask, AWS S3, Firebase* Jan 2024

- Developed the web application in **Next.js** and integrated with **Flask** and **Firebase**, as well as **AWS S3** storage.
- Recognized as Runner Up out of 194 hackers for seamless user experience and technical execution.