

HARPREET DUBB

☎ 604-773-5125 ✉ dubharpreet@gmail.com [in linkedin.com/in/harpreet-dubb](https://www.linkedin.com/in/harpreet-dubb) [globe harpreetdubb.github.io](https://github.com/harpreetdubb)

EDUCATION

Simon Fraser University

Bachelor of Science in Computer Science

September 2025

Vancouver, BC

WORK EXPERIENCE

Software Developer Intern

September 2024 – Present

Boeing *Vancouver, BC*

- Developing a web application for distributing, editing, and displaying airplane documentation for 350+ airlines.
- Implementing back-end APIs for full-text search, facet search, and auto-completion using **Java**, **Spring Boot**, and **Elasticsearch**, and deploying the service as a **Service Fabric** application.
- Redesigning the front-end search experience using **Angular**, optimizing webpage loading performance with **RxJS**, removing redundant API calls, and enhancing overall front-end responsiveness.

DevOps Engineer Intern

January – April 2024

Communications Research Centre (ISED) *Ottawa, ON*

- Developed a **data management platform** to centralize datasets, significantly improving data discoverability and maintenance for 250+ researchers.
- Created automated pipelines with **AWS ImageBuilder** and **Python**, seamlessly integrating with **CI/CD** workflows.
- Optimized cloud infrastructure by managing **AWS CDK** deployment (**IAM**, **S3**, **Secrets Manager**, **Lambda**, etc.), significantly enhancing scalability and security.

Software Developer Intern

January – August 2022

Boeing *Vancouver, BC*

- Developed and maintained **E2E testing** with **Java** using **JUnit** and **Selenium**, integrated into the **CI/CD pipeline**, resulting in a **45% improvement** in software functionality and usability.
- Achieved a **40% reduction** in reporting time by automating Excel data collection and visualization of key metrics using **Power BI (ETL pipelines, Power Query M functions, DAX formulas)** and live data from **Azure DevOps**.
- Conducted audits for project managers and business teams to adhere to the **Agile SAFe** Framework quality standards.

PROJECTS

SFU Blueprint - Reel Youth | *React.js, Next.js, Tailwind, TypeScript, Firebase, Docker*

- Developed a non-profit's website to enhance program sign-ups, showcase 120+ films, and boost its online presence.

Deny and Conquer | *Java, Sockets, TCP, Java Swing*

- Developed a real-time multiplayer game with TCP socket communication and multi-threaded server, enabling synchronized gameplay and responsive grid-based interactions.

OptiRouteDining | *Python, OpenStreetMap, Spark, OSMnx, Scikit-learn, Folium, Pandas*

- Developed a CLI tool that provides optimized walking routes to top-rated restaurants, improving travel efficiency for users by leveraging data processing and route optimization techniques.

WeCare | *Kotlin, Firebase, Jetpack Compose, Google Places API, Android Studio*

- Developed a mobile application providing mental health services, including diary entries, music therapy, appointment booking, and health surveys.

TECHNICAL KNOWLEDGE

Languages: Python, Java, JavaScript, Typescript, HTML/CSS, SQL, Kotlin

Tools/ Technologies: Amazon Web Services, Power BI, Microsoft Azure, Postman, Docker MSSQL, Selenium, Jira

LEADERSHIP

VP of Product Management

May 2024 – Present

Blueprint SFU *Vancouver, BC*

- Led a product management team of **5** to develop **minimum viable products**, resulting in a **30% increase** in project delivery efficiency and improved tech solutions for non-profits.

President

May 2022 – April 2024

Women in Computing Science SFU *Vancouver, BC*

- Managed a team of **12**, executing **4+ social and sponsored events per month**, resulting in a **50% increase** in community engagement among **500+ active members**.