Carson Jan

+1 778-955-1929 | sc.carson.jan@gmail.com | linkedin.com/in/carsonjan | github.com/carsonjan

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, JavaScript, HTML, CSS, TypeScript, R
Frameworks: JUnit, FastAPI
Developer Tools: Git, Docker, Figma, UNIX
Libraries: pandas, NumPy, Matplotlib, Request, Beautiful Soup, Discord.py

TECHNICAL PROJECTS

Atomic Task Meter | *Java, JUnit, Swing (Java)* | Academic   January – April 2025

- Built an **lightweight project management** application in Java that tracks expected and actual finish time of tasks, reducing reliance on brittle and inefficient calendar blocks to manage schoolwork and personal projects
- Improved reliability and usability with a GUI, persistent **JSON storage**, and **structured logging**, allowing instant resume/load of data and stable timing across sessions
- Ensured development speed and code quality by applying **Agile** development and achieving **100% JUnit coverage** in core modules and running comprehensive functional tests to achieve runtime stability

Google Form Open Automation Suite | *Google Apps Script (JavaScript)* | Personal   October – November 2025

- Improved administrative efficiency for Baking Club by replacing manual Google Form monitoring and updates with a **one-time setup** of automation completed in **minutes**
- Developed a script that **automatically limits** response counts, schedules open/close times, sends custom event reminder emails, and displays dynamic closed-form messages

Palmbot | *Python, pandas* | Personal   September 2023 – January 2024

- Enabled **300+ user interactions** in 3 months by launching a Discord bot that dynamically displays school resources and supported anonymous Q&A for two club servers, built with Python, Discord.py, and Requests
- Ensured student privacy by implementing **encrypted storage** for anonymous chat and volunteer-hour logs, increasing adoption among cautious users

Argon, HelloHacks 2025 | *HTML, CSS, JavaScript, Python, FastAPI*   October 2025

- Developed a **full-stack web app** that helps UBC students to find a roommate in off-campus housing

OOTDscribe, BCS Hacks 2025 | *MongoDB, Express.js, Node.js, React, Tailwind CSS*   March 2025

- Designed an OOTD-suggestion web app with experienced developers and observed full-stack **MERN** development

EXTRACURRICULAR ACTIVITIES

President, UBC Baking Club   April 2025 – Present

- Organize biweekly events for up to 40 people, manage external relations with sponsors and collaborators

Member, Quantico Research   October 2025 – Present

- Develop and apply data analysis, decision algorithms, and machine learning models to trading commodity futures

Member, UBC Maple Bacon CTF Team   September 2025 – Present

- Analyze system loopholes and deploy exploits, reverse engineer, and decrypt for cybersecurity study

Member, UBC Competitive Programming Club   September 2025 – Present

- Apply high-performance algorithms to solving programming questions with tight time and space constraint

EDUCATION

University of British Columbia   Vancouver, Canada
Bachelor of Science, Major in Computer Science   *Expected graduation: May 2028*

- Average: **95%** (Computer Science), 91.7% (Overall). **Dean's Scholar**, 2024 – 2025