Selina Fu

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Education

University of British Columbia — Vancouver, BC
Bachelor of Science, Computer Science and Statistics Combined Major — *Sept. 2024 – Present*

Port Moody Secondary School — Port Moody, BC
International Baccalaureate Diploma — *Sept. 2020 – June 2024*

Experience

UBC BIOMOD, Computational Team — Sept 2024 – Present
UBC BIOMOD Design Team — *Vancouver, BC*

- UBC BIOMOD is a design team at UBC that creates a new research project every year under the field of biomolecular nanotechnology to compete against other universities worldwide. This year, our research aims to design a more efficient way to produce a cell-free protein production system.
- My main role on the team has been to create microfluidic molds using CAD software.
- In a team of over 20 people, communication is extremely important, especially as we work on vastly different things. Thus, I learned to take notes about all my work so others are able to refer to them later.

ORS WorkLearn Student Admin Assistant — June 2025 – Present
University of British Columbia — *Vancouver, BC*

- Supported grant officers by preparing institutional documents and liaising with researchers to ensure accurate information exchange.
- Entered and reviewed confidential data in the RISe database with meticulous attention to detail.
- Compiled and formatted data reports in Microsoft Excel to clearly present information to supervisors.
- Managed competing priorities effectively to meet strict deadlines in a fast-paced environment.

UBC WICS Mentorship Program — Sept 2024- April 2025
UBC Women in Computer Science — *Vancouver, BC*

- Was paired with an upper year Computer Science student to help me achieve my academic goals throughout the year.
- Completed various intro-level projects to learn React, HTML and CSS.
- Learned strategies to manage time better and become a more accountable team member.

National Rhythmic Gymnast and Coach — May 2019 – Present
Grace Rhythmic Gymnastics Club — *Port Coquitlam, BC*

- 2023 Senior Open National Qualifier, ranked 35th in Canada
- Was the leader of my club's National Senior Group which ranked 3rd in Canada last year.
- Demonstrated leadership and adaptability by managing the group and adjusting training to individual needs.
- Coaching and mentored athletes of varying ages and skill levels, fostering growth, discipline, and confidence.

Projects

Research EXperience Program | *R Programming Language* — September 2024 – April 2025

- Working with a graduate student to explore batch correction in scRNA-seq methods.
- visualized the data of reactive lymph node samples in R to determine the biological cells present in the system.
- Presented the project at MURC, an annual research conference hosted at UBC.
- Abstract to be published the Canadian Journal of Undergraduate Research.

Fitness Tracker App | *Java* — June 2025 – August 2025

- Designed and implemented a desktop fitness tracker application using Java, enabling users to log exercises, track workouts, and monitor goals.
- Built an interactive user interface with Java Swing, creating intuitive forms, tables, and dialogs for user interface.
- Implemented JSON-based data persistence to save and load user data.

Technical Skills

Languages: All Basic Office and Adobe Acrobat Pro Software, Python, Java, R, HTML/CSS