

Yujeong Chang

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SUMMARY OF QUALIFICATION

- Graduated with a Bachelor of Science in Life Sciences and successfully completed Canadian university courses in computer science, discrete mathematics, and academic writing, earning top grades. These experiences developed my analytical, problem-solving, and communication skills essential for success in UBC's BCS program. - *Strong Academic Foundation*
 - Adapted to diverse academic environments through a North American exchange program, leading a study group to foster cross-cultural learning. Actively transitioned into computing by completing additional coursework and participating in a social-impact hackathon, affirming my commitment to computer science. - *Proven Adaptability and Initiative*
 - Demonstrated leadership and teamwork in developing "BinGo", an app for social good at Seoul Tech Impact 2024, and contributed to research initiatives in biological sciences. These experiences reflect my dedication to leveraging technology for community benefit. - *Passion for Community-Driven Impact*
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EDUCATION

Thompson rivers university, Kamloops, Canada.
Open Learning Courses:

August 2024 - December 2024

Comp1131 & Comp1231: Computer Programming I & II (Grade: A+ In Both)

Achieved A+ in both courses, mastering foundational programming and OOP concepts in Java. These courses deepened my technical foundation and confidence to independently pursue Java projects, showcasing my genuine interest in computer science and adaptability to Canadian university-level coursework.

MATH1701: Discrete Mathematics (Grade: ##)

Earned an ## in this course, which enhanced my logical and critical thinking skills, crucial for computer science. This experience underscores my analytical abilities essential to software engineering.

ENGL1101: Introduction to University Writing (Grade: ##)

Completed with an A, fulfilling communication requirements and demonstrating my proficiency in academic English. Effective written communication is vital for teamwork in software engineering, making this course particularly valuable.

EWHA WOMANS UNIVERSITY, Seoul, South Korea.

March 2019 - February 2024

Bachelor of Science in Life Sciences (Minor: Chemistry & Nano Science) (GPA: 3.54 /4.3)

Graduated with a strong GPA while balancing research roles, demonstrating time management and dedication—key skills for success in UBC's BCS program. My studies covered advanced biological sciences, including molecular biology, immunology, and genetics, along with quantitative courses like probability, statistics, and calculus. This interdisciplinary background honed my analytical skills and equipped me with a strong foundation for problem-solving in computer science.

OREGON STATE UNIVERSITY, Oregon, USA.
Study Abroad Program

Winter and Spring 2022

Completed a six-month exchange program, adapting to North America's academic environment and connecting with peers from diverse backgrounds. In my Human Biology course, I led a study group for international students, fostering a collaborative space for shared perspectives and mutual support. This studying abroad experience deepened my understanding of cultural diversity and inspired my ambition to build a career in North America, confirming my ability to adapt and lead effectively—qualities I am eager to bring to UBC's BCS program.

WORK EXPERIENCE

NATURAL HISTORY MUSEUM at Ewha Womans University (Seoul, South Korea)

Research Assistant

March 2023–December 2023

- Organized marine animal specimens, primarily Urochordata, according to phylogenetic classification for collection storage, ensuring systematic categorization.
- Compiled and managed specimen data, including Urochordata and other marine species, by entering and updating records in the museum's online database.
- Assisted in curation and execution of the museum's annual specimen exhibition, supporting display setup and visitor engagement.

Nanobiomaterial Nanotechnology Lab at Ewha Woman's University (Seoul, South Korea)

Undergraduate Research Intern

June 2023–August 2023

- Participated in research within the Nanobiomaterial Nanotechnology Lab under the guidance of Professor Hyukjin Lee from the Department of Pharmaceutical Sciences, gaining hands-on experience with essential techniques in life sciences and nanotechnology, including PCR, DNA/RNA purification, and transfection. Managed cell cultures to ensure proper maintenance and preparation for experiments.
- Enhanced critical thinking and public speaking skills through lab-wide journal club sessions, where I analyzed, summarized, and presented scientific articles, engaging in discussions on key findings and implications. This experience strengthened my ability to critically assess research and communicate complex scientific concepts effectively.

Laboratory of Metabolism and Aging Research at Ewha Woman's University (Seoul, South Korea)

Research Assistant

August 2021–December 2021

- Served as a research assistant under Professor Inhye Lee, supporting lab experiments through tasks like PCR on mouse genomes and gel electrophoresis, and gaining hands-on experience with Western blotting and cell lysis. Participated in weekly journal meetings with faculty and graduate students, strengthening critical analysis and scientific communication skills through discussions on recent research findings.

ADDITIONAL EXPERIENCE

Seoul Tech Impact 2024 Hackathon

September 7–8, 2024

Designer & Project Manager, Team BinGo

- Participated in Seoul Tech Impact, South Korea's only community-organized hackathon focused on social good, where I collaborated with a diverse team to address urban waste management issues by developing *BinGo*, an app to help users locate public trash bins, restrooms, and smoking areas. Through this experience, I enhanced my leadership skills by guiding the project's design and direction while fostering effective communication among team members with various backgrounds.
- This first hackathon introduced me to UI design and frontend development, affirming my passion for using tech to create meaningful impact. Inspired by the collaborative and community-driven approach, I'm motivated to expand my programming skills in UBC's BCS program, with the goal of contributing to projects that serve local communities.

Personal projects ([in progress](#))

Distinction

Skills

Software: basic level of both Python, Java | **Languages:** English (Proficient), Korean (Native)

Community Involvement

Ewha Womans University Center for Child Development and Disability

February 2023–June 2023

Assistant Teacher

- Supported children with special needs in small group settings as an assistant teacher, promoting active engagement and social inclusion in class activities.
- Built positive relationships through play and mentorship, creating a supportive, approachable environment as a university volunteer.

Haeundae Children's Care Center (Busan, South Korea)

March 2024 - present

Assistant Teacher

- Provide academic support and lead structured play for elementary-aged children, fostering literacy, numeracy, and social development through interactive sessions.
- Create and guide enrichment activities in a safe, inclusive space that nurtures creativity, collaboration, and confidence among diverse learners.