

# Lucy Hao

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**Citizenship:** USA, Canada

**Research Interests**      programming languages; chemical biology; computer science education; computational life sciences, computer systems software

**Education**      **University of British Columbia**      Vancouver, British Columbia  
B.Sc. Combined Computer Science and Chemistry      Sep. 2019 – Dec. 2024  
GPA: 83%

## **Selected coursework**

- CPSC 436A: Operating Systems Design and Implementation
- CHEM 330: Advanced Organic Chemistry
- CPSC 539B: Topics in Programming Languages
- MICB 306: Molecular Virology

**Honours and Scholarships**      Biotalent Canada Student Work Placement Program Grant (\$5,000)      2021  
Alexander Rutherford High School Achievement Scholarship (\$2,500)      2019

**Publications**      **Automated medical chart review for breast cancer outcomes research: a novel natural language processing extraction system.**  
Chen, Y., Hao, L., Zou, V.Z., Hollander, Z., Ng, R.T., Isaac, K.V.  
*BMC Med Res Methodol* 22, 136 (2022).

**Research Experience**      **PROOF Centre, UBC**  
Advisors: Prof. Raymond Ng, Prof. Dr. Kathryn Isaac      Jan. 2021 – May 2021  
Undergraduate Research Intern

**Teaching Experience**      **Systematic Program Design (CPSC 110)**      Winter 2022  
*Current*

**Systematic Program Design (CPSC 110)**      Winter 2021  
*Average student rating: 90%.*

**Software Construction (CPSC 210)**      Summer 2021  
*Average student rating: 100%.*

**Software Construction (CPSC 210)**      Winter 2020  
*Average student rating: 80%.*

**Industry Experience**      **Capital One, TIP**      New York City, New York  
Software Engineering Intern      Summer 2022

	<b>Microsoft</b> , Garage Software Engineering Intern	Vancouver, British Columbia Summer 2021
Talks and tutorials	<b>Intersections of Technology Panel</b> StarHacks II	Jan. 2022
	<b>Intro to Technical Interviews</b> HackCamp	Nov. 2021
	<b>Pursuing a Successful Career in CS + Technology</b> Hacking 4 Community	Jul. 2021
	<b>Intro to NLP</b> Hydrangea Hacks	Jun. 2021
	<b>Intro to Git and GitHub</b> Citro Hacks	Jun. 2021
	<b>Computers and Technology Panel</b> Joy to Job	May 2021
	<b>Intro to Git and GitHub and Intro to Python</b> StarHacks I	Jan. 2021
Skills	<b>Programming</b> Python, Racket, C, R, Rust, Java	
	<b>Languages</b> English (fluent), Chinese (basic)	
Service and outreach	<b>Director of Marketing and Technology, StarHacks</b> StarHacks is an international non-profit striving to create gender-inclusive spaces in computer science, breaking the stereotype of what it means to be a coder one hackathon at a time.	Sep. 2020 – Jan. 2022
	<b>Director of Marketing, nwPlus</b> nwPlus is a student-led club supporting aspiring programmers and designers, based out of University of British Columbia.	Sep. 2021 – Mar. 2022
	<b>Mentor, connect-f (nwPlus)</b> A mentorship program for girls* in tech designed to pair high school students with university students and new grad mentors.	Jul. 2020 – Apr. 2021