Lucy Hao

Email: lhao03@student	.ubc.ca Phone: Redacted Citizenshi	ip : USA, Canada		
Research Interests	theoretical chemistry, physical chemistry, compu ming language theory, computer science educati			
Education	University of British Columbia B.Sc. Combined Computer Science and Chemistr <i>GPA: 80%</i>	Vancouver, British Columbia ry Sep. 2019 – May. 2025		
	Selected coursework			
	 <u>CPSC 311</u>: Definition of Programming Langua <u>CPSC 322</u>: Introduction to Artificial Intelligent <u>CPSC 421</u>: Introduction to Theory of Computi <u>CHEM 318</u>: Principles of Catalysis <u>CHEM 412</u>: Electronic Structure of Atoms and <u>CHEM 401</u>: Principles of Spectroscopy 	ce ng		
Publications	Automated medical chart review for breast a novel natural language processing extract Chen, Y., Hao, L., Zou, V.Z., Hollander, Z., Ng, R. BMC Med Res Methodol 22, 136 (2022).	ion system.		
Research Experience	University of British Columbia, Departmen Undergraduate Research Assistant Aiding in development of self-driving labs for ch	May. 2024 – current		
	PROOF Centre, University of British Columbia, Department of Com-			
	and OCR correction algorithm to extract inform tronic health records, achieving a validation set a training data. Performed statistical analysis on			
Teaching Experience	Systematic Program Design (CPSC 110) Systematic Program Design (CPSC 110) Software Construction (CPSC 210) Software Construction (CPSC 210)	Winter 2022 Winter 2021 Summer 2021 Winter 2020		
Industry Experience	Capital One, TIP Software Engineering Intern	New York City, New York Summer 2022		

	Piloted the use of AWS Device Farm, creating end-to-end tests for Mobile App Verification for the Capital One app and website, as well as finding and relaying five pain points of AWS Device Farm to upper level technical executives.		
	Microsoft, Garage Vanco Software Engineering Intern Aided in development of features for internally request Microsoft Graph API. Helped troubleshoot bugs in pre- sandbox tool and Microsoft Teams based sandbox tool, possbile solutions for unsolved bugs.	existing browser based	
Service and outreach	Dry Lab Co-Lead and Wiki Lead, UBC iGEM Focussed on leading the dry lab team to create models integrated with our wet lab. Implementing an internal using practices from open source communities.		
	Wiki Lead and Dry Lab Member, UBC iGEM UBC iGEM is a design team focussed on applying skill ogy, genetics, computational biology and microbiology synthetic biology.		
	Director of Marketing and Technology, StarHacks StarHacks is an international non-profit striving to c spaces in computer science, breaking the stereotype of a coder one hackathon at a time.	reate gender-inclusive	
	Director of Marketing, nwPlus nwPlus is a student-led club supporting aspiring progra based out of University of British Columbia.	<i>Sep. 2021 – Mar. 2022</i> ammers and designers,	
	Mentor, connect-f (nwPlus) A mentorship program for girls* in tech designed to pa with university students and new grad mentors.	<i>Jul. 2020 – Apr. 2021</i> ir high school students	
Talks and tutorials	Git, GitHub and Glue UBC iGEM 2023/24	Jan. 2024	
	Intersections of Technology Panel StarHacks II	Jan. 2022	
	Intro to Technical Interviews HackCamp	Nov. 2021	
	Pursuing a Successful Career in CS + Technology	Jul. 2021	

	Hacking 4 Community		
	Intro to NLP	Jun.	2021
	Hydrangea Hacks		
	Intro to Git and GitHub	Jun.	2021
	Citro Hacks		
	Computers and Technology Panel	May	2021
	Joy to Job		
	Intro to Git and GitHub and Intro to Python	Jan.	2021
	StarHacks I		
Honours and	Biotalent Canada Student Work Placement Program Grant (\$5,000)		2021
Scholarships	Alexander Rutherford High School Achievement Scholarship (\$2,500))	2019