

# Redacted

Updated February 20, 2023

**Email:** Redacted

**Phone:** Redacted

**Citizenship:** Redacted

## Research Interests

programming languages theory; theoretical chemistry; 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
- CHEM 218: Fundamentals of Reactivity in Inorganic Chemistry
- MICB 306: Molecular Virology

### Relevant Skills

- Natural Language Processing
- Data Analysis (Python, R)
- Systems programming (C, Linux, Bash, Python)
- Literature Review
- Mathematical Modelling

## 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: Applied NLP techniques, Literature Review, Data Curation

## Teaching Experience

**Systematic Program Design (CPSC 110)**

Winter 2022

*Average Student Rating: 90%*

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Winter 2021

*Average student rating: 90%.*

	<b>Software Construction (CPSC 210)</b> <i>Average student rating: 100%.</i>	Summer 2021
	<b>Software Construction (CPSC 210)</b> <i>Average student rating: 80%.</i>	Winter 2020
Industry Experience	<b>Capital One, TIP</b> Software Engineering Intern	New York City, New York Summer 2022
	<b>Microsoft, Garage</b> Software Engineering Intern	Vancouver, British Columbia Summer 2021
Service and outreach	<b>Wiki Lead and Dry Lab Member, UBC iGEM</b> UBC iGEM is a design team focussed on applying skills from molecular biology, genetics, computational biology and microbiology to conduct research in synthetic biology.	Dec 2022 – Current
	<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
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

**Computers and Technology Panel**

May 2021

Joy to Job

**Intro to Git and GitHub and Intro to Python**

Jan. 2021

StarHacks I