

# Lucy Hao

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**Citizenship:** USA, Canada

|                          |  |                             |  |
|--------------------------|--|-----------------------------|--|
| Research interests       | programming languages; chemical biology; computer science education; computational life sciences   |                             |  |
| Education                | <b>University of British Columbia</b>  | Vancouver, British Columbia |  |
|                          | B.Sc. Combined Major in Computer Science and Chemistry   | Sep 2019 – May 2024         |  |
|                          | Advisors: Prof. Raymond Ng. <i>GPA: 83%</i>  |                             |  |
| Honours and scholarships | Biotalent Canada Student Work Placement Program Grant (\$5,000)  | 2021                        |  |
|                          | Alexander Rutherford High School Achievement Scholarship (\$2,500)   | 2019                        |  |
| Publications             | <b>Automated medical chart review for breast cancer outcomes research: a novel natural language processing extraction system.</b><br>Chen, Y., Hao, L., Zou, V.Z., Hollander, Z., Ng, R.T., Isaac, K.V.<br><i>BMC Med Res Methodol</i> 22, 136 (2022). |                             |  |
| Research experience      | <b>PROOF Centre, UBC</b>   |                             |  |
|                          | Advisors: Prof. Raymond Ng, Prof. Dr. Kathryn V. Isaac   | Jan – May 2021              |  |
|                          | Undergraduate Research Intern  |                             |  |
| Teaching experience      | <b>Systematic Program Design (CPSC 110)</b>  | Winter 2021                 |  |
|                          | <i>Average student rating: 90%.</i>  |                             |  |
|                          | <b>Software Construction (CPSC 210)</b>  | Summer 2021                 |  |
|                          | <i>Average student rating: 100%.</i>   |                             |  |
|                          | <b>Software Construction (CPSC 210)</b>  | Winter 2020                 |  |
|                          | <i>Average student rating: 80%.</i>  |                             |  |
| Industry experience      | <b>Capital One, EP2</b>  | New York City, New York     |  |
|                          | Software Engineering Intern  | Summer 2022                 |  |
|                          | <b>Microsoft, Garage</b>   | Vancouver, British Columbia |  |
|                          | Software Engineering Intern  | Summer 2021                 |  |
| Talks and tutorials      | <b>Intersections of Technology Panel</b>   | Jan 2022                    |  |
|                          | StarHacks II   |                             |  |
|                          | <b>Intro to Technical Interviews</b>   | Nov 2021                    |  |

HackCamp

**Pursuing a Successful Career in CS + Technology**

Jul 2021

Hacking 4 Community

**Intro to NLP**

June 2021

Hydrangea Hacks

**Intro to Git and GitHub**

June 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

Skills

**Programming**

Python, Racket, C, R, Rust, Java

**Languages**

English (fluent), Chinese (basic)

Service and outreach

**Director of Marketing and Technology, StarHacks** Sep 2020 – Jan 2022

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.

**Director of Marketing, nwPlus**

Sep 2021 – Mar 2022

nwPlus is a student-led club supporting aspiring programmers and designers, based out of University of British Columbia.

**Mentor, connect-f (nwPlus)**

Jul 2020 – Apr 2021

A mentorship program for girls\* in tech designed to pair high school students with university students and new grad mentors.