

# Chaira Harder

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Driven computer science student with an entrepreneurial spirit, dedicated to transforming ideas into tech-driven solutions. Strong foundation in math, coding, and problem-solving.

## EDUCATION

**Smith College** | Northampton, MA, U.S.  
Bachelor's: **Computer Science** | May 2025

## ACCOMPLISHMENTS/AWARDS

- Draper Competition for Collegiate Women Entrepreneurs, Semi-Finalist 2023
- Brodsky Prize for Engineering Entrepreneurship, Recipient
- Xd Hacks Vancouver - 3rd Place

## LANGUAGES & SKILLS:

### Software:

*Java, C/C++, Python, Javascript, Swift, Ruby, SQL, R, Stata, x86 ASM, MCU programming, more*  
*Other: git, bash, Wireshark, MATLAB, Web & iOS dev*

### Spoken:

English (*native/fluent*), Mandarin (*4 years educational*), German (*home*), Thai (*3 years educational, home*)

## EXPERIENCE:

*Blind Tiger Vineyards* | Lake Country, BC, Canada | May 2021 - Present

- Developed and oversaw all tip calculations using **Excel**, and subsequently constructed a web tool (**Ruby on Rails**) to automate the calculation process. Helped with tech support (POS Systems).

*Smith College* | Northampton, MA | August 2021 - Present

- Money Mentor (student personal finance help) at the Conway business center, Tech Lab Assistant and Access Van Driver.
- NextNode: currently remaking site for the Women's Museum of California and select branches.

*AI4ALL Scholar* | Simon Fraser University, Burnaby, Canada | Summer 2020 - 2023

- Developed neural networks in the fields of natural language processing, robotics, computer vision, and computational biology with a peer group of four (**Python: numpy, Tensor Flow, scikit-learn, Pandas, more**).
- Data advocacy with AI4ALL alumni: built a website (**JavaScript, HTML, CSS**) connecting people with their local senators to communicate concerns about the lack of legislation for data rights and privacy.

*VEX Robotics Team Lead Programmer* | Hanoi, Vietnam | 2019-2021

- Team placed 1st place at Vietnam National VEX Robotics Championship in January of 2020. (**C++**)

*Encode Justice* | Kelowna, BC, Canada | August 2020 - August 2021

- Led the Canada chapter of Encode Justice; organization grew from 17 members to over 200 members in 14 countries org-wide.

## RELATED COURSEWORK:

*Data Structures & Algorithms, S.E., Microprocessors & Assembly, Theory, Network Security, OS, Machine Learning, Intelligent UI, more on LinkedIn & website*

## EXTRACURRICULAR INVOLVEMENT:

Smith Robotics Club, Muay Thai & MMA

## PERSONAL PROJECTS:

NextNode: *personal software business* (2023)  
Bikesia: *bike share system website & app* (2023)  
Slick Flights: *cheapest flight router* (2022)  
Winegorithm: *digital AI sommelier* (2020-21)  
Hanoi Homie: *helping homeless in Vietnam* (2017)

**Canadian Citizen, U.S. Student | Available May 2024+ in US or Canada**