

Chaira Harder

chairachananharder@gmail.com | chairaharder.com | github.com/cyberchai

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, 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 System).

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