

Chaira Harder

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EDUCATION

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

August 2021 - May 2025

Awards: [People's Choice](#) - Joy Entrepreneurship Challenge 2024, [Draper Competition](#) for Collegiate Women Entrepreneurs Semi-Finalist 2023, [Brodsky Prize](#) for Engineering Entrepreneurship 2023, [XdHacks](#) Vancouver 2020 - 3rd Place

Relevant Coursework: Intelligent UI, OS, DSA, ML/DL, Financial Econ, Econometrics, Design Thinking, Network Security

EXPERIENCE

Software Engineer & Founder, NextNode LLC

December 2023 - Present

- Led product and engineering for tools in Swift, React, Node.js; deployed with Supabase, Firebase, Vercel, Docker
- Developed and tested [Funke AI](#) (UN initiative funded by UNIS NYC), an educational learning layer over NotebookLM
- Created [Tipper](#), a TypeScript tool using AI parsing and cloud storage to automate tip splits at Blind Tiger Winery (in BC)
- Built [Wieder](#), a flashcard learning platform for Smith College language departments; deployed with Firebase, Vercel

Systems Analyst Intern, Kiwa - T2 Utility Engineers

June 2024 - August 2024

- Created and tested 42 programmable invoice mask templates using SQL, .NET, Visual Basic and C#, streamlining billing workflows and reducing manual entry errors
- Acted as a liaison between finance and IT departments, boosting cross-functional efficiency and reducing turnaround time for invoice-related issues. Worked under Kam Mohammed, Director of Technology at Kiwa (kam.mohammed@t2ue.com)

Technical Marketing Intern, Silk Road Professionals

June 2024 - August 2024

- Designed 4 marketing campaigns targeting Central Asia & North America; improved SEO and boosted site traffic

PROJECTS

Full-Stack Developer | GitHub Viewer, Up2

2018 - Present

- Up4, a social app matching users with real-time events and friends. Built with Swift, SwiftUI, MapKit.
- [GitHub profile viewer](#) with REST API calls and async rendering. Built with SwiftUI.
- [SlickFlights](#), a java console game to find cheapest route across airports. DSA/Graphs project, team of 2.
- Cachebite, iOS on-campus task request and delivery app. Built in Swift, team of 3.
- Bikesia, a Ruby on Rails bike share system for Western Massachusetts. Led team of 5 for 6 months.
- Founded and pitched sports-tech startup at 3 national entrepreneurship competitions, securing \$3,000+ in seed-stage funding.
- Developed and deployed [Pyx Boxing website](#) using Astro, Javascript, Typescript, and CSS.

AI4ALL Scholar at Invent the Future | Simon Fraser University, Burnaby, Canada

June 2020 - May 2022

- Built [neural networks](#) for NLP, robotics, and computer vision using TensorFlow and scikit-learn.
- Co-developed [4DataPrivacy.com](#), a civic tech site enabling users to contact legislators about digital rights.

Co-Founder, Encode Justice Canada

August 2020 - August 2021

- Launched and co-led the [Canadian chapter](#) of [Encode Justice](#), where we focused on advocacy, education, and policy around algorithmic bias in Canada. Contributed to rapid org-wide growth from 17 to 200+ members across 14 countries. Developed the early-stage organizational website.

SKILLS

iOS: Swift, SwiftUI, Objective-C, Unit/UI Testing, Concurrency, Core Data, MapKit, REST API Integration

Web & Full Stack: Java Spring, Javascript, Python, Django, SQL, AWS, Figma, Git

Other: Kubernetes, Firebase, PyTorch, CI/CD, Kafka, MongoDB, Stata, Wireshark. **Spoken:** English, German, Thai

Canadian Citizen, U.S. Student | No sponsorship required (OPT)