Chaira Harder

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Computer Science graduate with strong foundations in math, finance, and iOS development. Skilled in solving technical problems and collaborating across teams. Passionate about building innovative, secure, and scalable solutions.

EDUCATION

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

CCNA Certification in progress.

TECH SKILLS & LANGUAGES:

iOS: Swift, Objective-C, SwiftUI, UIKit, Unit/UI Testing (XCTest, XCUITest)
Security: Wireshark, x86 ASM, Secure Networking, PKI Fundamentals

ACCOMPLISHMENTS/AWARDS

- People's Choice at Joy Entrepreneurship Challenge 2024
- Draper Competition for Collegiate Women Entrepreneurs, Semi-Finalist 2023
- Brodsky Prize for Engineering Entrepreneurship, Recipient
- XdHacks Vancouver 2020 - 3rd Place Prize

Languages & Tools: Python, C++, Java, SQL, React, JS, AWS, MATLAB, R, Stata, Git, Figma

Fluent in English, Conversational German, Thai

EXPERIENCE & PROJECTS:

Kiwa - T2 Utility Engineers | Internship | June 2024 - August 2024
- Created and tested programmable invoice masks using **Microsoft Visual Basic** and **SQL**, emphasizing **secure data handling and compliance** for cross-border clients.
- Acted as a bridge between **finance and IT**, demonstrating strong communication and **cross-functional teamwork**.

Smith College | Northampton, MA | August 2021 - May 2025
- Worked as a Money Mentor (trained student financial consultant) through the Conway Entrepreneurship Center.

iOS Security App Developer | Github - Wohna | Demo on chairaharder.com | Independent Project
- Developed an iOS app (**Swift**, **Swift UI**) with security-conscious design patterns for a women-focused, privacy-first housing listings platform.
- Implemented user authentication using Apple Sign-In, exploring secure token storage and validation.
- Built **query-based data fetching** and implemented **async networking** using URLSession and async/await

AI4ALL Scholar at Invent the Future | Simon Fraser University, Burnaby, Canada & Remote | Summer 2020, 2021
- 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.

Encode Justice | Kelowna, BC, Canada & Remote | August 2020 - August 2021
- Launched and led the Canadian chapter of Encode Justice. Contributed to rapid org-wide growth from 17 to 200+ members across 14 countries. Developed the early-stage organizational website.

RELATED COURSEWORK:

Network Security, Microprocessors & Assembly Language, Operating Systems, Data Structures & Algorithms, Circuits, Deep Learning Math, Machine Learning, Intelligent U.I., Applied Financial Economics, Computational Linear Algebra

REFERENCES:

Kam Mohammed, *Head of IT at T2UE*
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René Heavlow, *Director of Operations at Conway Center*
rheavlow@smith.edu

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