

# Chaira Harder

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[chairachananharder@gmail.com](mailto:chairachananharder@gmail.com) | [chairaharder.com](https://chairaharder.com) | [github.com/cyberchai](https://github.com/cyberchai)

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.

## 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

## TECH SKILLS & LANGUAGES:

**iOS:** Swift, Objective-C, SwiftUI, UIKit, Unit/UI Testing (XCTest, XCUITest)

**Security:** Wireshark, x86 ASM, Secure Networking, PKI Fundamentals

**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](https://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](https://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, *Director of IT at Kiwa*

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René Heavlow, *Director of Operations at Conway Center*

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