

Isabella Hochschule

isabellahochschild@gmail.com • (415) 563-2424

isabellahochschild.com • [linkedin.com/in/isabellahochschild](https://www.linkedin.com/in/isabellahochschild) • github.com/isabellahoch

EDUCATION

Dartmouth College

Hanover, NH

GPA 3.98/4.0. B.A. Computer Science & Economics expected June 2025.

Sept 2021 - Present

Awarded citations for academic excellence (top ~2.3% of grades) in Problem Solving via Object-Oriented Programming, Full-Stack Web Development, Data Visualization. TuckLAB business competition winner.

Teaching Assistant for COSC 10 & ECON 35. Smart Women Securities. Women in Computer Science.

Girls Who Code College Loop President. Research Assistant on NFTs in the Contemporary Art Market.

San Francisco University High School

San Francisco, CA

National Merit Finalist. Vice President of Technology. Girls Who Code President. Aug 2017 - June 2021

EXPERIENCE

Digital Applied Learning And Innovation (DALI) Lab

Hanover, NH

Level III Software Engineer, Product Manager, and Developer Mentor

Dec 2021 - Present

Deliver digital solutions in 10-week Agile sprints for 20+ hours a week. Shipped 7+ projects including React Native app facilitating linguistics research, NodeJS backend for Salvador Dalí AR eye-tracking experience utilized by 400k+ users, ReactJS agroforestry data aggregator. Led team of engineers to build high-fidelity prototype for early-stage social networking stealth startup. Promoted to lab leadership.

Neukom Institute For Computational Science

Hanover, NH

Neukom Scholar & Research Assistant - Media & Political Polarization

May 2023 - Present

Aggregate complex datasets and scrape metadata to analyze media viewership patterns and trends. Create visualizations and model correlation between popular media forms and increasing political polarization.

Uphold

Chicago, IL & Remote

Software Engineering Intern, Trading Team

June 2022 - Aug 2022

Programmed customized simulators for Uniswap V2 & Curve decentralized exchange protocols in Go to increase efficiency of trading algorithms. Optimized existing codebase to reduce latency by 250%. Wrote script converting existing asset storage system from crypto token to USD baseline for 1.7 million users.

Kode With Klossy

Chicago, IL, New York, NY, & Remote

Instructor Assistant & Operations Intern

Summer 2020, 2021, 2022

Taught iOS development (Swift/Xcode) in fast-paced two week camps for 250+ female and nonbinary scholars ages 13-18. Selected as lead Instructor Assistant for inaugural Mobile Apps Community Camp.

Nurx

San Francisco, CA

Software Developer Intern

July 2021 - Dec 2021

Developed Python frontend and backend with 50+ intent handlers for 5-star custom Amazon Alexa skill.

PROJECTS

ImpressionAI

Generative AI - ReactJS - Python - Flask - HuggingFace

Developed frontend and backend for text-to-image generative AI web app leveraging stable diffusion to render impressionist-style paintings according to user input. Finalist at 2023 AI Genesis Hackathon.

Buddi (COVIDathon Hackathon Winner)

Swift - Xcode - Cocoapods - Firebase - DialogFlow

Created accessibility-forward iOS app for senior population, aggregating COVID-19 resources through a customized engaging intent-based conversational AI chatbot. Implemented Firebase authentication flow.

ADDITIONAL

Technical skills: (*proficient*) Java, Python, C, JavaScript, HTML/CSS, React, Node.js, MongoDB, Express.js, React Native, iOS Development (Swift, Xcode), Git, Bash, R; (*familiar*) Go, C++, Unity, C#.

Honors & Awards: Congressional App Challenge Winner, NCWIT Bay Area Winner, Meta ABCS.

Personal: Congressional App Challenge Board (2021-Present). Taekwondo Black Belt. Fluent in French. Conversational Spanish & German. Interests include running, art, museums. US/Australia Dual Citizen.