Isabella Hochschild

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EDUCATION

Dartmouth College — Hanover, NH
GPA 3.98. 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 (Java/OOP) & ECON 35 (Game Theory/Economic Behavior). Smart Women Securities. Women in Computer Science. Hill Winds Society. Judge for Magnuson *The Pitch*.

San Francisco University High School — San Francisco, CA
National Merit Finalist. Vice President of Technology. Track & Field Captain. Aug 2017 - June 2021
Computational Modeling independent study. Founded Student Tech Team. Girls Who Code President.

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 NodeJS backend for Salvador Dalí Museum AR eye-tracking experience, ReactJS agroforestry data aggregator, React Native app facilitating linguistics department research. 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. Model correlation between forms of popular media consumption 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.

Dartmouth College — Hanover, NH
Research Assistant - Non-Fungible Tokens in the Contemporary Art Market Aug 2021 - Mar 2022
Scraped OpenSea and auction data, analyzed Solidity smart contracts, created data visualizations, and programmed predictive blockchain models. Summarized key findings and presented research insights.

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 Amazon Alexa skill to summarize data, provide reproductive health information, and schedule reminders customized to client needs.

ADDITIONAL

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

Honors & Awards: Congressional App Challenge Winner, Global Covidathon: Decentralized AI Hackathon Winner, NCWIT Bay Area Winner, Meta Above & Beyond in Computer Science (ABCS).

Personal: Congressional App Challenge Alumni Board (2021-Present). Fluent in French. Conversational Spanish and German. Black belt in taekwondo. Interests include running, entrepreneurship, logic puzzles, art museums, and travel. Studied abroad in Paris (Spring 2023). U.S. and Australia Dual Citizen.