

Darya Kaviani

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EDUCATION

University of California, Berkeley

B.S. Electrical Engineering & Computer Science, Ethnic Studies Minor

Expected Fall 2022, GPA: 3.862

Coursework: Structure & Interpretation of Computer Programs, Designing Information Devices & Systems, Data Structures, Computer Architecture, Discrete Mathematics & Probability Theory, Efficient Algorithms & Intractable Problems, Computer Security, Introduction to Artificial Intelligence, Introduction to Database Systems, EECS For All: Social Justice in EECS, Foundations of Data Science, Human-Computer Interaction Research, Native American Critical Legal & Policy Studies, Islamophobia & Constructing Otherness, Literature From Ethnic Movements, Ethnicity Gender & Sexuality

Organizations: EECS Honors Program, Blockchain at Berkeley, Center for Society Technology & Policy, Computer Science Mentors

EXPERIENCE

President | Blockchain at Berkeley

May 2021 – Present

- Leading ~70 active members. Blockchain at Berkeley crafts industry-leading POCs for Fortune-500s and blockchain companies, creates educational content used by 200,000 students worldwide, and hosts the #1 uni-based blockchain accelerator in the world.

Software Engineering Intern | Facebook

June 2021 – Aug. 2021

- Managed, designed, and created a full-stack surface redesign of Community Help on Comet (Facebook's web interface). Revamped features for creating and contributing to drives, peer-to-peer community requests and offers, and volunteering opportunities. Used React.js for frontend, GraphQL and Relay for queries, and Hack/PHP for backend.

HCI Undergraduate Researcher | UC Berkeley School of Information

Dec. 2020 – Present

- Advised by Professor Niloufar Salehi, my interests lie in social computing and Human-Computer Interaction, designing and evaluating technologies that reclaim the agency of underserved groups, and applying Ethnic Studies and Communications Studies to HCI.

iOS FBU Engineering Intern | Facebook

June 2020 – Aug. 2020

- Created Writivist, a mobile application that streamlines contacting elected officials to make civic involvement accessible. Includes a Template Library, a find my representatives map, and robust email automation. Coded in Objective-C using a Parse backend and the Google Civic API for representative information.
- Received 3 weeks of training in iOS development, REST APIs, and Parse servers by creating a Twitter client and Instagram clone.

Head of Internal | Blockchain at Berkeley

May 2020 – May 2021

- Oversaw Operations, Finance, and Social departments to establish org-wide organization, sustainability, and accountability.
- Transformed one-person roles to committee structures via deliverables and intra-committee and Internal Director meetings.

Technical Project Manager | Blockchain at Berkeley

Aug. 2020 – May 2021

- Leading a team of developers, designers, and business consultants to prototype, build, execute user research, find partners for Satchel (see Projects). Executing weekly client calls with UNICEF.

Mentor | Computer Science Mentors

Aug. 2020 – Present

- Teaching workshops and 10 students in weekly tutoring sessions for CS 61B (Data Structures) and CS 61C (Computer Architecture).

CS 61BL Academic Intern | UC Berkeley EECS Department

June 2020 – Aug. 2020

- Assisted undergraduate students by explaining concepts and debugging for CS 61B, UC Berkeley's Data Structures course.

Debate Instructor | College Preparatory School & Golden State Academy

July 2019 – May 2020

- Coached ~30 high schoolers and ~20 middle schoolers in Public Forum debate, teaching topic-research strategies, argumentation, in-round strategy, and public speaking skills. Judged nationwide tournaments and coached students to deep elimination rounds.

PROJECTS

Bridging Action Frames: Instagram Infographics in U.S. Ethnic Movements | iSchool

Aug. 2020 – Present

- Evaluating how Instagram infographics in ethnic movements bridge connective and collective action by juxtaposing the insights of activists of the past and present and quantitatively analyzing changes in the Black Lives Matter movement's Instagram posts.

Sparring with Scale: How Mutual Aid Groups Grapple With Tensions Between Values & Scale | iSchool

Dec. 2020 – Present

- Exploring how scale-based mutual aid technologies create tensions with traditional mutual aid values of solidarity, trust, and security.

Satchel

Aug. 2020 – Present

- DApp that leverages a crowdfunding framework to bank underbanked communities in collaboration with UNICEF. Users invest stablecoin (DAI) and accrue interest for themselves and their local school. Uses React.js for frontend, Node.js for server, MongoDB for database, Compound for interest-bearing Ethereum protocol, Solidity for smart contracts, and MetaMask for authentication.

Harmonio

Sept. 2019 – Dec. 2019

- DApp that minimizes the friction of transactions between micro-entrepreneurs in Latin America and their clients. Implemented a smart contract in Solidity with escrow functionality to facilitate trustless peer-to-peer transactions.

Strategy Consultant | Berkeley Business Society

Sept. 2019 – Dec. 2019

- Extensively researched to recommend optimal international expansion strategy and timeline for Tempus, a cancer data analytics firm.

Research Intern | DetecDrone at UC San Diego

June 2018 – Aug. 2018

- Utilized Google Cloud Speech-to-Text API to optimize voice control of assistive drone, improving accuracy from 20% to 90%.

SKILLS & INTERESTS

Skills: Java, Python, SQL, C, Spark, Web Design (HTML/CSS/JavaScript), React.js, Blockchain, Farsi, Public Speaking, iOS (Objective-C), REST-APIs, Parse, Truffle, Ganache, Solidity, Teaching, GraphQL, Relay, Hack/PHP, Mercurial

Interests: 10-year Guild Repertoire Certified Pianist, Skiing, Activism, Social Justice, Teaching, Making Colorful To-Do Lists