

Jamsheed Mistri

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Education

University of California, Berkeley

Fall 2019 - Fall 2022

- Degree: Bachelor's, Computer Science (Fall 2022)
- Relevant Coursework: CS 61B (Data Structures), CS 198 (Linux Administration), CS 186 (Databases), CS 188 (Artificial Intelligence), CS 161 (Computer Security), CS 162 (Operating Systems), CS 170 (Algorithms)

Work, Research, & Internship Experience

Founding Engineer, Layerup (YC S22) — LLMs, AI/ML, JavaScript, Python

August 2023 - Present

- Bringing AI to the insurance industry using cutting edge AI/ML technology like LLMs, RAG, and custom-trained models.
- Managed all aspects of the engineering process, including model training/deployment, prompt engineering, full-stack development, API integrations, server infrastructure, project management, customer relations, and more.

Researcher, Berkeley Netsys Lab — Python, Swift, Kubernetes

September 2022 - August 2023

- Researched efficient ways for IoT devices to collect, send, and query data for crowdsourcing smart space applications.
- Built a peer-to-peer decentralized data exchange system to enable client data transmission.

Software Engineering Intern, Twitter — Scala, Apache Hadoop

May 2022 - August 2022

- Wrote a pipeline that handles importing of big data from an external API, and uses core features of Apache Hadoop to execute complex data manipulation tasks, like joining, mapping, reducing, and more.
- Added 2 major API endpoints to our public Advertiser API, used by 130,000+ Twitter advertisers.

Software Engineering Intern, Apple — Swift, Objective-C, Python

May 2021 - August 2021

- Siri Experience Team — Modified Siri on iOS in order to rework how Apple employees classify Siri quality enhancements and issues. Shipped on the internal build of iOS, which is used daily by thousands of Apple employees.

Software Development Intern, Udacity — React.js, Next.js, React Redux, Sass, Node.js

January 2021 - May 2021

- Completed 81 feature requests in 5 different frontend and backend stacks throughout the company.
- Launched 6 A/B tests, and spearheaded development of 4 new public-facing pages for the Growth team.

Engineering Project Management Intern, Apple

June 2020 - August 2020

- Worldwide Developer Relations Team — Scoped requirements, wrote docs, and managed UAT for 10 projects, including the re-launch of the Apple Developer Forums, and an enrollment/capability system used by thousands of Apple employees.

Research Assistant, Stanford University

April 2020 - September 2020

- Conducted a large-scale trial in India to determine instructional interventions for improving COVID-19 knowledge, attitudes, behaviors. Built a fault-tolerant educational system, which was able to handle 20,000+ concurrent connections.
- Co-authored paper that is published in the *Elsevier Social Science & Medicine* journal. ([link to paper](#))

Leadership & Volunteer Experience

Director of Operations, Hack+

November 2019 - Present

- Leading a team to develop a financial dashboard and management backend for student startups, nonprofits, events, and clubs. Managing day-to-day operations and handling upwards of \$2 million in total transactions.

Achievements, Awards, and Certifications

5th Degree Black Belt & International Master, Taekwondo

May 2022

The Leadership Award, UC Berkeley Alumni Association

August 2019

The President's Volunteer Service Award, Gold Tier (Highest Tier)

September 2018

Level 8 Pianist, Associated Board of the Royal Schools of Music

2009 - 2018

Notable Projects

LaptopVR — Swift, Objective-C, C

github.com/JamsheedMistri/LaptopVR

- Streams a Mac's screen to an iPhone over USB. The screen is displayed stereoscopically, allowing the user to view the screen in VR without needing an expensive VR headset. Won Best Hardware Hack at [Cal Hacks](#). ([YouTube Demo](#))

Chrome Theme Studio — Next.js, React.js, Node.js

chrometheme.studio

- Tool that allows users to build their own custom browser theme for most Chromium-based browsers, including Google Chrome, Microsoft Edge, and more. Received the #3 Product of the Day award on Product Hunt.

3NAME — Node.js, MongoDB, HTML/CSS, Cloudflare

3name.xyz

- Perpetually scans for available three-letter Minecraft usernames (considered "rare") using my complex algorithm; all available usernames are listed on the website, which has over 500,000 monthly requests and a fanbase of over 5,000 gamers.

Programming Skills

- Languages: C, Java, Scala, Swift, Objective-C, JavaScript, HTML/CSS, PHP, Node.js, Python, SQL, Ruby, Bash, RISC-V
- Concepts: AI/ML, LLMs, Object Oriented Programming, Distributed Computing, Database Design, Computer Security, Git Source Control, Unix System Administration, Unit Testing, API Design, DNS/Routing, Networking Protocols