

AYUSHI BATWARA

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PROFESSIONAL SUMMARY

Finding ways to use software to make a big impact. Interning at big tech, bootstrapping a startup, and researching for the government. Previously created a simulation to teach 1.2M+ students about clinical disparities, won 5+ national hackathons.

Languages: Python • Bash • Java • SQL • HTML • CSS

Tools/Frameworks/Libraries: Docker • FastAPI • Git • AWS • Boto3 • NumPy • Pandas • Swagger

EDUCATION AND COURSEWORK

UC Berkeley – Management, Entrepreneurship, and Technology (M.E.T.) Program

Expected May 2024

Dual Degree: B.S. Electrical Engineering and Computer Sciences, B.S. Business Administration; GPA: 3.93

Awards: Scott Herst M.E.T. Fellow, Cal Alumni Association (CAA) Leadership Award Scholar

Relevant Coursework: Designing Information Devices and Systems • Data Structures • Discrete Math and Probability Theory

Eastlake High School

Sep 2018 – Jun 2021

Unweighted GPA: 4.0/SAT: 1570/ACT: 35; Student of the Year 2020, American Association of University Women Math Scholar, President of National Computer Science Honors Society, Vice President of Math Honors Society, Nominated Graduation Speaker

EXPERIENCE

Dell, Seattle, WA

Jun 2022 – Present

Software Engineer Intern

- Designed and developed APIs to address targeted customer use-cases for multi-cloud management via Dell's cloud platform using Swagger, Boto3 API, and FastAPI and manage cloud inventory natively in AWS
- Participated in Dell's Internal Hackathon and created an internal "Discover Intern" tool with Python & Tkinter library

Bellweather, Berkeley, CA

Jan 2022 – Present

Co-Founder and Machine Learning Lead

- Co-founder of a Berkeley SkyDeck-backed startup that won 2nd place at Apple x UCSF's iHackHealth Hackathon
- Developing a random forest ML model (99.6% accuracy) to predict an individual's relative risk in extreme climate conditions across database of 10k+ patients based on health data captured from Apple Health, IBM Weather, EHRs, clinical risks

Boston Public Health Commission, Boston, MA

Jun 2022 – Present

Research Intern

- Creating "digital twin pairs" for counties throughout the United States using a machine learning pipeline (CNNs, KNN, Regression) based on satellite imagery data, chronic disease, health system access, demographics, and deprivation to allow public health departments to collaborate with departments across the country most similar to them

Personal Projects & Global Hackathons

Jan 2020 – Present

Decoded Hacks and Hack Kosice Digital – "COVID-PRO Tips"

- [Winning project](#) – developed all-in-one interactive website for the public for COVID-19 with up-to-date data/analytics, including:
 - Medication interaction checker built on National Library of Medicine's RxNav API Services
 - Visual representation of current cases and statistics globally on an interactive map
 - Counter that helps users estimate quantity of household supplies/necessities needed to stay in quarantine

Incentivizing Health Hackathon – "1Upstream Health"

- [Winning project](#) – an interactive, evidence-based health education program that integrates with multiple platforms, utilizing gamification to activate young people to take ownership of their own health

LA Hacks 2021 – "Moodacado"

- [Project](#) that uses an ML model to visualize mood based on analysis of Spotify listening history
- Frontend – React, Backend – Flask, ExpressJS, PostgreSQL instance on Google Cloud, ML Model – scikit-learn, NumPy, pandas

LEADERSHIP AND COMMUNITY IMPACT

Machine Learning at Berkeley (ML@B), Berkeley, CA

Jan 2022 – Present

Researcher & Education Committee Officer

- Club dedicated to fostering a vibrant machine learning community through industry consulting, research, and education
- Developing a reinforcement learning module to teach during the New Member Education Program

Washington HOSA – Future Health Professionals, Spokane, WA

Mar 2020 – Mar 2021

Washington State Secretary – elected by 180+ chapters and 3000+ members

- Initiated statewide COVID-19 Chapter Challenges program to support pandemic relief efforts; engaged 45+ chapters in WA
- Executed 2 virtual state conferences, redesigned website, spearheaded media outreach effort, created executive mentorship series for local chapters to engage with alumni/professionals, and advocated to WA State Legislature for CTE funding