Zaina Shaik

Computer Science + Design @ UC Berkeley | SWE, AI, HCI

Berkeley, CA 94720
(203) 224-8462
zainashaik20@gmail.com
linkedin.com/in/zainashaik/
github.com/zainashaik

Letters of Rec available

EDUCATION

University of California, Berkeley – Berkeley, CA

July 2020 - present

Regents' and Chancellor's Scholar – Top 2%, Most Prestigious Cal Scholarship
STEM Excellence through Equity and Diversity (SEED) Scholar – Honors Research

Coursework: CS188: Artificial Intelligence, CS70: Discrete Mathematics and Graph Algorithms, CS61b: Data Structures, CS61a: Structure & Interpretation of Programs, STAT 24: Data Visualizations, EECS16a/b: Information Devices & Systems I/II, DES INV 21: Visual Communication, ENV DES 4a: Design and Activism, DATA C6: Data Science, Multivariable Calculus, Linear Algebra & Differential Equations

WORK EXPERIENCE

FEMTech – External Vice President

September 2020 - present
· Advocating for women/minorities in the tech industry by building community (500).
· Organized Tech Bootcamp with CalHacks (50) and Career Summit (50).

Regents' and Chancellor's Scholars Association – Web Dev Lead

July 2020 - present
· Designing complex full-stack website (800) improvements [HTML/CSS/Javascript]
· Leading project team by teaching website development fundamentals.

PlexTech – Project Developer

September 2020 - present
· Coded Aila Health's android app in a team with frontend and Algolia Search features.
· Presented final product (50 million users) to engineering leadership. [Java, Kotlin]

USC Information Sciences Institute REU – AI Research Intern

June 2021 - August 2021
· Made Wikidata queries with semantic systems, knowledge graphs, and data analytics.
· Published/presented at research conferences with poster abstract and poster (IEEE).

ExoAnalytic Solutions – Software Engineering Intern

June 2020 - August 2020
· Designed innovative Observation/Configuration Schema classes and tests to retrieve and display satellite data for clients (10 million measurements) [Python, JSON].

SKILLS

Coding Languages: Python, Java, HTML, CSS, Javascript, Swift, SQL, Scheme, SPARQL, NoSQL

Tools: Git, Marketing, Adobe, Tinkercad, Arduino, Knowledge Graph Toolkit, IDE, Bootstrap, Docker

Languages: English, French, Arabic (reading), Urdu/Hindi(spoken)

Soft Skills: self-starter, strong communication, creative, team-player

AWARDS

The Leadership Award, Cal Alumni Association
Largest non-academic merit scholarship at Cal

Top 5, PlexHacks
UC Berkeley PlexTech Hackathon. (Phloem)

NASA CubeSat Launch Initiative, Irvine CubeSat
Presented Design Review. Launched 2 satellites.

PROJECTS

Personal Website – Portfolio and Contact

January 2022 - present
· Designing and coding portfolio website with Bootstrap and modern Javascript libraries. [HTML, CSS, Javascript]
· Implementing user interaction.

Gitlet – Version Control System

March 2021 - April 2021
· Designed complex storage and file systems development program that saves files with commit history to local and remote directories. [Java]
· Incorporated persistence, algorithms, and hashing.

PUBLICATIONS

Race and Country of Citizenship Bias in Wikidata

– Published Poster Abstract at IEEE MASS 2021 (1st author)
June 2021 - August 2021
· Analyzed Wikidata bias of STEM careers by running queries for minority bot [SPARQL, KGTK]