Vaishak Krishna

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EDUCATION

University of California, Berkeley; GPA: 3.9   **Aug. 2020 – Present**

B.A. in Computer Science   *Berkeley, California*

Honors: Dean's list, UPE CS Honor Society

EXPERIENCE

Software Development Intern @ XLNC   **May 2023 – Present**

- **Engineered** a persuasion assistant that leverages novel Rasch Guardrails for user/chatbot evaluation
- **Architected** and coded an end-to-end calibration/assessment system on the cloud, accessible through API calls
- **Assembled** cloud infrastructure for ongoing evaluation of LLMs, optimizing assessment speed by >20x
- **Co-Authored** a research paper on the evaluation of AI Ethics for LLMs using a metrology-based approach.

Backend Developer @ FavorX   **March 2023 – June 2023**

- **Collaborated** with marketing/frontend teams to develop an in-app currency system and 3+ new DB schemas
- **Developed/maintained** RESTful API endpoints using MongoDB and Express.js for scalable infrastructure

Backend Engineer Intern @ QBurst   **June 2021 – August 2021**

- **Leveraged** the .NET framework to develop RESTful API endpoints to enable efficient data acccess of customer leads
- **Teamed with** other developers to integrate the API into a mobile app and increase ad deployment efficiency

PROJECTS

Wordle Solver | https://wordle-improve.web.app | *JavaScript, React, HTML/CSS, AWS*   **May 2022 - September 2022**

- **Coded** an information-theory based solver that is 97% as good and >10x faster than the most accurate solver
- **Shipped** extra features including a luck-agnostic skill calculator, free-play mode, and solving assistant
- **Deployed** the web app for 400+ users by configuring Apache HTTP serveron Linux machines in the cloud

Gym Data Visualization | https://rsf-crowd-data.web.app/ *AWS, IPYNB, Firebase*   **October 2022 - December 2022**

- **Created** a serverless web-app with 97% positive feedback from >200 UC Berkeley students and Berkeley residents
- **Coded** a data pipeline to collect, transform, and store data from the school gym in a cloud database
- **Leveraged** data visualization tools to display the crowd density of the UC Berkeley campus gym

TEACHING EXPERIENCE

Course Staff, CS61C   **June - August 2023**

- **Produce** course material and led teaching for exam-prep sessions, reaching 40+ students.
- **Hosted** 3 sessions weekly, working 1-1 to teach topics including as C, processors, parallelism, and virtual memory.

Mentor @ CSM, UC Berkeley   **January - May 2022/2023**

- **Scored** a 4.5/5.0 average ratingfor teaching computer architecture + data structures concepts to 10+ students
- **Co-led** task forcesto teach "Git" and produce review videos, increasing student achievement in the course

SKILLS

Computer Languages: Python, C/C++, JavaScript, RISC-V Assembly, Java, HTML/CSS, Go, C#

Technologies/Frameworks: Git/Github, VSCode, MongoDB, Jupyter, Azure, Linux, SQL, ReactJS

Developer Tools: VS Code, IntelliJ, PyCharm, Eclipse, Visual Studio