Vaishak Krishna

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Education

University of California, Berkeley — GPA: 3.9 **Aug. 2020 – Present**
B.A. in Computer Science — Dean's list, UPE CS Honor Society *Berkeley, California*

Experience

Backend/AI Engineer @ XLNC **May 2023 – Present**

- **Engineered a persuasion chatbot** that leverages a **novel "Rasch Guardrails"** framework with Large Language Models
- **Implemented** a multi-faceted, parallel adaptive-assessment system on the Azure cloud for user/chatbot evaluation
- **Created orchestration infrastructure** for high-throughput LLM data collection/processing, **reducing costs by 70%**
- **Co-Authored a paper** on the evaluation of **AI Ethics for LLMs** using a metrology-based approach.

Backend Developer @ FavorX **Mar. 2023 – Jun. 2023**

- **Collaborated** with marketing/frontend teams to develop an in-app currency system and **engineer many DB schemas**
- **Developed and maintained** REST API endpoints using MongoDB and Express.js for a scalable infrastructure

Backend Engineer Intern @ QBurst **Jun. 2021 – Aug. 2021**

- **Leveraged** the .NET framework to **develop REST API endpoints** to enable efficient 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/ **May 2022 - Sept. 2022**

- **Coded** a information-theory rooted Wordle solver that is **97% as good and >10x faster than the most accurate solver**
- **Shipped extra features to 400+ users** including a **skill level calculator**, free-play mode, and solving assistant

Gym Data Visualization | https://rsf-crowd-data.web.app/ **Oct. 2022 - Dec. 2022**

- **Created** a serverless, lightweight web-app with **97% positive feedback** from 200+ Berkeley community members
- **Coded** a data pipeline to collect, transform, and visualize trends in crowd data over time from the campus gym

Teaching

CS61C — Course Staff **Jun. - Aug. 2023**

- **Produced** course materials, worked with instructors, and **led teaching for exam review**, reaching **40+ students.**
- **Hosted** 3 sessions weekly, working 1-1 to teach topics including **processors, memory, and parallelism**

CS Mentors — Mentor **Jan. - May 2022/2023**

- **Scored a 4.5/5.0 average rating** for teaching computer architecture + data structures concepts to 10+ students
- **Co-led** task forces to 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, Docker, Jupyter, Azure, Linux, SQL, ReactJS
Developer Tools: VS Code, IntelliJ, PyCharm, Eclipse, Visual Studio