Vaishak Krishna

vaishak.krishna@berkeley.edu 908-938-4296 github.com/vaishakkrishna

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

XLNC — Software Developer **May 2023 – Present**

- **Engineered a persuasion chatbot** that leverages novel **"Rasch Guardrails"** for user/chatbot evaluation
- **Architected and coded** an end-to-end Rasch calibration/assessment system on Microsoft Azure's cloud.
- **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

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

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

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

- **Leveraged** the .NET framework to **develop REST API endpoints** to enable 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** an information-theory solver that is **97% as good and >10x faster than the most accurate solver**
- **Shipped 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 web-app with **97% positive feedback from 200+ community members**
- **Coded** a data pipeline to collect, transform, and visualize trends in data from the school gym

Teaching

CS61C — Course Staff **Jun. - Aug. 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 **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, Jupyter, Azure, Linux, SQL, ReactJS
Developer Tools: VS Code, IntelliJ, PyCharm, Eclipse, Visual Studio