

# VAISHAK KRISHNA

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## EDUCATION

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**University of California, Berkeley — GPA: 3.9**

*B.A. in Computer Science — Dean's list, UPE CS Honor Society*

**Aug. 2020 – Present**

*Berkeley, California*

## EXPERIENCE

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**Software Developer — XLNC**

**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-Authoring a research 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 **3+ DB schemas**
- Developed/maintained REST API endpoints using MongoDB and Express.js for scalable infrastructure

**Backend Engineer Intern — QBurst**

**Jun. 2021 – Aug. 2021**

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

## PROJECTS

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**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

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**Course Staff — CS61C**

**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**

**Mentor — CS Mentors**

**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

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**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