Kush Bhardwaj

Fremont, CA, 94536

📞 202-957-9061 ✉ kush@kushbhardwaj.com

in https://www.linkedin.com/in/kushbhardwaj ⏺ github.com/kushbhardwaj0

Education

University Of Illinois, Urbana Champaign - GPA: 3.9 **Expected Graduation - May 2027**
Bachelor of Science in Computer Science + Linguistics
Bachelor of Science in Brain and Cognitive Science

Mission San Jose High School - GPA: 4.14 *Class of 2024*

Relevant Coursework

- CS 225 - Data Structures
- CS 173 - Discrete Structures
- MATH257 - LinAlg w/ Computational Applications
- LING 307 - Semantics and Pragmatics
- LING 270 - Language Technology and Society
- MATH 231 - Calculus II

Work Experience

University of Illinois, Urbana Champaign - Research Intern **January 2025 − Present**

- Spearheaded the development and formatting of Unicode-compliant texts and transliteration of Deseret Alphabet materials into Roman characters, ensuring precision and consistency across linguistic datasets.
- Contributed to the design and implementation of Optical Character Recognition tools, enhancing accessibility and research capabilities for the Deseret Alphabet while collaborating with faculty to align with project objectives.

Klatch - Freelance Developer **April 2025 − Present**

- Collaborated with independent developers to debug, refine, and improve functionality for an early-stage social platform.
- Addressed user-reported issues, optimized performance, worked with REST API, and contributed interface suggestions across multiple app iterations.

UC Berkeley Artificial Intelligence Research Lab - Research Intern **June 2023 − September 2024**

- Engaged in a groundbreaking research initiative at UC Berkeley's AI Lab (BAIR), focused on leveraging machine learning to translate underrepresented Asian languages into English, with guidance from Professor Keutzer.
- Key insights presented at multiple high-profile international conferences, highlighting the project's academic and industry significance.
- Specialized in end-to-end data pipeline management, including extraction, cleaning, and annotation of large multilingual datasets to drive high-accuracy translation models.

Projects

AI-Powered Content Creation and Social Media Automation **August 2024 - present**

- Created an AI-driven pipeline to scrape large social media datasets, train a custom language model, integrate with self-automated video creation, and publish highly engaging multimedia content.

Award-Winning AI-Driven Crop Yield Forecasting Tool **July 2024**

- Engineered a cutting-edge AI tool that predicts soybean harvest efficiency by incorporating real-time weather data, achieving a 95% prediction accuracy rate.
- Won the "AI for Change" Hackathon 2024 for its innovative approach in improving agricultural planning and resource management through predictive analytics.

iOS App Development | *iOS, Swift, XCode* **Summer 2020 - present**

- Developed and released a series of apps designed around mental health, garnering over 3000 downloads across the globe.
- Monetization causes a passive of income of $100 per year.

Technical Skills

Languages: Comprehensive knowledge of C++, Python, Swift, & Java
Developer Tools: XCode, V Studio, GitHub, Google Suite
Other Skills: Communication, Teamwork, Initiative

Awards

- AI for Change Hackathon Winner (2024)
- California Golden State Seal Merit Diploma (2024)
- California State Seal of Biliteracy (2024)
- AP Scholar With Distinction(2024)

Activities

UIUC Association for Computing Machinery **2024 - Present**

- Leader of Natural Language Learning Branch and Member of Mobile Development Branch

Mission San Jose High School App Development Club **2022 - 2024**

- Co-President - Coordinated Biweekly Meetings and Lectures on Programming iOS Apps.