Alex Xu

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🎓 EDUCATION

B.A. Computer Science, *University of California, Berkeley*   Aug 2019 – May 2023
- **GPA:** 3.5

💼 WORK EXPERIENCE

Software Engineer Intern, *Reddit*   May 2022 – Aug 2022
San Francisco
- Built a new feature for Reddit's desktop site to track ad click locations
- Used React to build frontend component and BigQuery and Reddit's native event pipeline for backend analysis, logging >200,000 events per day
- Event used in ad serving and targeting analysis

Tutor, *CS 61A Course Staff*   Aug 2021 – Dec 2021
Berkeley
- Teach small group sections and run office hours for a class of over 1600 students.
- Involved in exam design and homework parties.

SWE Intern, *Silk Software*   May 2020 – Aug 2020
Irvine
- Defined and implemented APIs for hotel managers using SHIJI's management software
- Built modules to add API calls to admin panel frontend

📁 TECHNICAL PROJECTS

QuickTiks @ HackMIT, *github.com/mraheja/quicktiks*   Sep 2021
- Used liquid warping GANs to generate dance TikToks from static images
- Built app that could generate funny videos, like Donald Trump dancing to Beat It

DubMyProfessor @ HackMIT, *https://github.com/aleggs/DubMyProfessor*   Sep 2020
- Superb Sunday Submission winner @ HackMIT
- Built application that dubs over lectures with audio/video from celebrities, like David Attenborough and Ben Shapiro.
- Used GCloud STT to transcribe, and Wavenet to voice. NVLabs' few-shot-vid2vid used to generate realistic videos of celebrities talking.

Hype Man @ LA Hacks, *computer vision with Raspberry Pi*   Mar 2020
- Built application to play personalized theme songs when someone walked into the room.
- Used OpenCV to recognize faces, then hooked into mopidy music player daemon. SQL used to track user profiles.

Fifteen @ TreeHacks, *github.com/aleggs/fifteen*   Feb 2020
- Built a website and matching algorithm to help college students meet new friends.
- Used socket for live chat, matched users using NumPy and SQL.
- Website backend built with Python, Flask, Firebase.

🧠 SKILLS

React, Redux | NumPy | SQL | RISC-V | Data analytics | Fullstack dev | Asking questions

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🎻 INTERESTS

PC building *(I love building SFF PCs, and am currently putting together an O11 custom loop)* | **sci-fi, fantasy novels**

games *(recently playing Valorant, Elden Ring, Stellaris)* | **card games** | **hiking** | **basketball, soccer**