

Christy Yu

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EDUCATION

Carnegie Mellon University

Masters in Human Computer Interaction

Aug. 2025 – Aug. 2026

Pittsburgh, PA

UC Santa Barbara

B.S. Computer Science, B.S. Statistics & Data Science

3.75 GPA | Aug. 2021 – Jun. 2025

Santa Barbara, CA

EXPERIENCE

Software Engineer Intern

Lorentz Solution

Jun. 2024 – Aug. 2024

Santa Clara, CA

- Migrated all 44 dynamic libraries from compiler RHEL6 to RHEL78 for PeakView chip-simulation (**Bash scripting**)
- Reduced **10%** in backup storage and production release package by automating library clean-up process
- Executed regression unit tests on circuit simulation cases; analyzed, debugged and troubleshoot on the updated libraries for upcoming release of PeakView software

Research Fellowship

Human Wildlife Conflict emLab

Jan. 2023 – Present

Santa Barbara, CA

- Build and tune **habit suitability machine learning models** with bioclimatic variables and land cover data to explore how climate change drives human-elephant conflict in Namibia in **R**

Founding Web & Design Chief

JAFFX — open-source guitar pedal startup

Oct. 2024 – Present

Santa Barbara, CA

- Secured \$7,500 in funding by placing 2nd in UCSB New Ventures Competition with designed pitch deck
- Developed complete brand identity including custom typography, logo, and color system aligned with company values
- Built company website (**Next.js**), the primary digital presence at jaffx.audio

Director of Web Dev and UI/UX Design

SB Creative Lab Design Club

Jun. 2024 – Jun. 2025

Santa Barbara, CA

- Led team of UI/UX designers and developers, training members in Figma, design strategies, and front-end technologies (**HTML/CSS/JS, React**)
- Designed UI and coded Design Challenge and Designathon webpages
- Maintained organizational web presence by updating calendars and uploading workshop resources

Design and Marketing Lead Organizer

SBHacks Hackathon

Aug. 2023 – June. 2025

Santa Barbara, CA

- Orchestrated a 48-hour hackathon, bringing together 200+ students from 20+ universities to address environmental sustainability, health, and accessibility through coding projects
- Draw assets, design UI layout, and designed branding system for hackathon website and social media (**Figma, Photoshop**)

Salesforce Developer Intern

UCSB IT Department

Oct. 2023 – Mar. 2024

Santa Barbara, CA

- Maintained and implemented Curriculum Planning System web-application (**Javascript**)
- Built petition forms section with **Salesforce Flows** in Student Success Hub framework

PROJECTS

Refract | Anti-deepfake Identity Protection App, Data Science Club Project Team

Jan. 2024 - May. 2024

- Designed and developed frontend mobile app (**Tailwind/Javascript/CSS, Figma**), that disrupt deepfake model training against identity theft from images, poster winning 2nd in annual showcase
- Cloaked images disrupts deepfake models by **70%** with no visual difference to the human eye

Newsletter Curator App | UI/UX Project Manager & Designer, SB Creative Lab

Apr. 2024 - Jun. 2024

- Conducted **UX research** by surveying and interviewing individuals to identify pain points, consolidated results in user personas, analyzed competing brands
- Manage project timeline and resources, delegated tasks weekly, and composed case study

Noteblockit | Multi-Instrument MP3 to Midi Converter, Data Science Club Project Team

Mar. 2023 - Apr. 2023

- Created MP3 to MIDI converter that can preserve multiple instrumental melodies, overcoming the limitation that most Midi converters flatten to a single melody with **RNN** modeling

Other projects on GitHub