

# Christopher Bannon

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## Education

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University of California, Berkeley — GPA: 3.72

Aug. 2020 – Present

B.A. in Computer Science

Berkeley, California

**Coursework:** UI/UX Design & Development, Digital Design & Integrated Circuits, Data Structures, Algorithms, Computer Architecture, Operating Systems, Discrete Math & Probability, Data Science, AI, Machine Learning

## Experience

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FavorX — Frontend Developer

May 2023 – August 2023

- Collaborated closely with the design team to **iterate** on Figma prototypes, creating **polished, user-centric** interfaces, and **deployed** solutions on mobile development frameworks: **Expo** and **React Native**
- **Implemented and refined** user's 'transfer tokens' flow; **used redux** to **create** new **reducers**, **slices**, and, “**thunks**”, to **integrate firebase** with the **backend API**, resulting in **improved** asynchronous efficiency and state management
- **Scaffolded** a **scalable** service for **uploading** and **storing** user's profile pictures in an **AWS S3** bucket, **leveraging** Expo's API to asynchronously **resize and compress** the image and write to a unique **secure url**

UC Berkeley — Undergraduate Student Instructor (CS160)

June 2023 – Aug 2023

- **Organized** scope, sequence, and delivery of instruction on **HCI**, **UI/UX**, **web development**, and **product design**
- **Developed** a python script to **automate** staff airtable-to-email logistical workflow and saved **10+** TA hours
- **Critiqued** **200+** assignments/projects and **mentored** **15+** students throughout the **entirety** of the design process

Computer Science Mentors — Senior mentor (CS61B)

Jan 2022 – Present

- **Lead** a weekly comprehensive review session for a group of 61B students; rated **4.6/5.0** for **teaching effectiveness**
- **Presented** and **modeled** pedagogy techniques to a cohort of Junior Mentors to strengthen their teaching abilities
- **Coordinated** with **25+** Mentor staff to plan and host course wide social events to **60+** 61B mentors
- **Hosted** monthly conceptual workshops for up to **80** 61B students on **java**, **data structures**, and **algorithms**

## Projects

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The Sandbox Series

May 2023 – Present

An ongoing series of projects that promote **creativity** and **play** in the browser

**ASCII Sandbox** — *React, FastAPI, Langchain, OpenAI* → [See the Code](#)

- **Developed** a **full-stack** web-app that **leverages Langchain** and **GPT** to query Figlet's API to generate ASCII messages from user's text input for [Calhack's AI Hackathon](#) (in under 12 hours)

**Vocode Sandbox** — *React, Tailwind CSS* → <https://vocode-sandbox.web.app/>

- **Created** a serverless, responsive web-app that lets users experiment with different prompts for Vocode's voice AI
- **Arranged** an **interactive** and **engaging UI** that displays a transcript of the user's conversation

react-window-component — *React, npm* → [See the Code](#)

August 2023 - Present

- **Deployed** a React component library on **npm** and **established CI/CD** via **Github Actions**

Piggy — *Product Design, UI/UX, Figma, React Native, MUI* → [See the Code](#)

August 2022

- **Collaborated** with a team of **6** to **design** and **prototype** a **mobile app** that promotes fiscal responsibility
- **Conducted** user research and **iterated** on **prototypes** to **improve** the **user experience** → [Design Doc](#)

## Skills

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**Computer Languages:** Python, C, Java, HTML/CSS, JavaScript, Typescript, RISC-V Assembly, Swift

**Technologies:** Git/Github, VSCode, Figma, MongoDB, Jupyter, SQL, Firebase

**Frontend Development:** React, React Native, Redux, Expo, Tailwind CSS, MUI, Bootstrap