

Ethan Jagoda

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EDUCATION

University of California, Berkeley

May 2024

B.A Computer Science

Relevant Coursework:

- Computer Architecture (C), Data Structures (Java), Structure and Interpretation of Computer Programming (Python, SQL), Discrete Math and Probability, Computer Programming for Scientists and Engineers (Matlab), Multivariable Calculus

EXPERIENCE & PROJECTS

Vibed Inc. | Product Manager

Jan 2022 – May 2022

- Improved beta testers' sign-up conversion rates by **36%** by iterating the sign in user flow
- Hosted weekly user tests with Vibed's beta tester community
- Developed product dashboard on **Firebase** to visualize data from app usage
- Prototyped user flows using **Miro** and **Figma**

Gitlet | Version Control System Project (Java)

May 2022

- Developed a version control system backed by a tree-based data structure that uses SHA-1 encryption.
- Mimics Git features such as init, add, commit, log, and checkout functions
- Capable of handling multiple file additions and removals with constant run time efficiency.
- Wrote unit and integration tests for debugging
- Wrote a breadth-first search algorithm to scale the commit tree and merge conflicting files

The Adventure Scroll | Cross-platform mobile app (React Native, tailwind)

October 2022

- Developed an app where users click on various tiles to get surprise activities, and can then upload a photo of them doing the activity that displays on the apps homescreen
- Stored images locally using asynchronous storage
- Prototyped and designed UI/UX screens using Figma

Tenzies | Mini-Game Web-app Project (React.js)

July 2022

- Programmed an interactive **React** web app where players can freeze "dice" until they get ten of the same number
- Used prop, state, and useEffect to pass data down to components

SKILLS

Languages: Java, Python, React.js, HTML/CSS, Matlab, C, SQL, Scheme, LaTeX, React Native, Swift/SwiftUI, RISC-V

Tools: Git, VSCode, IntelliJ, Github, Firebase, Vim

Other Interests: Astrophysics, quantum physics, guitar, drum-set, piano, skiing

LEADERSHIP

FreePPEKC | Co-Founder

March 2020 – April 2021

- Developed a scalable business model that utilized a 3D printer network of **22** volunteers to produce over **8,000** units of personal protective equipment
- Fundraised over **\$7,500** through GoFundMe and external partnerships
- Interviewed **23** healthcare workers to iterate product designs resulting in an **85%** decrease in dissatisfaction
- Logged over **100** hours 3D-modeling, working with **SolidWorks** to create PPE models
- Reached over **25** facilities nationwide from California to New York

Entrepreneurs@Berkeley | VP of Finance / Project Manager

January 2022 - Present

- Raised **\$3,000** by securing partnerships with companies
- Formed a team of 5 members to create a viable startup over the course of one semester to conclude on Demo Day with a pitch to venture capitalists in SkyDeck Berkeley seed accelerator
- Conducted market research to iterate our idea and prototype
- Competed in the Entrepreneurship Demo Day event and placed **3rd**