Lucy Lou

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Experienced and passionate SWE and UX/UX designer with unique startup experiences. Quick learner, self-motivated, & excellent cross-functional collaborator eager to create innovative, impactful products.

WORK EXPERIENCE

Frontend Engineer | Ethicable | Mountain View | Aug 2023 - Apr 2024
- Spearheaded frontend/UI/UX development, expediting our product, TrustWrite, to beta stage
- Drafted software design documents & created task timelines; led meetings with exec board to finalize product specs and with engineering team to discuss security concerns & backend integration
- Prototyped with Figma & implemented with React: dashboards, statistical graphs, tables listing data from Canvas LMS, timed quizzes, and score reports; with a focus on accessibility and intuitive design
- Rebranded color scheme from purple to green and redesigned logo from a hacker icon to a book to better reflect the company values and mission of assurance, accuracy, and approachability
- Redesigned & launched landing pages ethicable.ai & trustwrite.ai, using principles of hierarchy, spacing, and consistency to navigate users to contact sales, attracting 8 new potential clients
- Integrated code with backend engineer to support GraphQL, Redis Pub/Sub, and AWS SQS and SNS

Software Engineer II | Thermo Fisher Scientific | San Diego | Jul 2022 - Jun 2023
- Collaborated with engineers, R&D scientists, and UX designers team to accelerate an embedded systems medical PCR testing device to feature completion through daily scrum, weekly syncs, and labs
- Implemented UI and new functionalities (USB log exporting, barcode scanning, user authentication) on device with C++ using a hierarchical state machine (HSM) approach
- Tested and peer reviewed frequently to troubleshoot and fix bugs along the way, ensuring reliability

Software Engineer Intern | Thermo Fisher Scientific | San Diego | Jan 2021 - Aug 2021
- Learned React and React Native in order to handle mobile/web development in house, eliminating outsourcing costs and increasing project delivery efficiency
- Built React Native mobile app that scans patient info barcodes and takes pictures and uploads test result strips to AWS Cloud to be easily viewed on our product website
- Enhanced the Material UI ReactJS website used to view test results with the following: company branding, test strip image viewing ability, and interactive customer statistical charts and graphs
- Created Power BI reports to assist the marketing team in optimizing spending and maximizing ROI

Software Engineer Intern | Mesa Biotech | San Diego | Jun 2020 - Jan 2021
- Prototyped with Adobe XD and creatively implemented with C++ the design team's UI changes for our touch screen product, overcoming limitations of the STemWin GUI graphics library
- Developed features such a maintenance user with hashed passwords & a test result print functionality
- Updated SW requirements documentation & refactored code to improve maintainability & scalability

EDUCATION

University of California, Berkeley | BA Computer Science | Aug 2018 - May 2022
- Relevant Coursework:
  - **Development:** User Interface Design & Development, Web Design
  - **Design:** Human Centered Design, Brand Identity and Graphic Design, UX Design
  - **Misc:** Creativity Lab, Visual Communication and Sketching, Digital Photography
- Leadership/Extracurricular at UC Berkeley:
  - **Computer Science Mentor (CSM)** | Aug 2018 - May 2022
  - **Cal Cheerleader and Cal STUNT Student Athlete** | Oct 2018 - May 2022 (Captain 2021-2022)
  - **Cal Gymnastics Club Team Member** | Aug 2018 - May 2022 (Officer 2019-2022)

SKILLS

- **Libs/Langs:** React, Tailwind, Material UI, Recharts, JS, HTML, CSS, SQL, Python, Java, C++
- **Tools:** Figma, VS Code/Visual Studio, Adobe Xd/Ai/Ps/Lr, GitHub, Prettier, Firebase, Jira