

# ALIX CUI

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## EDUCATION

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**Bachelors of Computer Science**, Stanford University, GPA: 3.9/4.0 Expected 2023

Relevant Coursework: Data Structures/Algorithms, Computer Organization and Systems, Advanced Computer Systems, Web Applications, Cross-platform Mobile App Development

## SKILLS

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<b>Proficient</b>	JavaScript, React.js, Python, C++, HTML/CSS
<b>Familiar</b>	React Native, Next.js, NodeJS, ExpressJS, MongoDB, TypeScript, Redux, Firebase
<b>Tools</b>	Git, SVN, Jira

## EXPERIENCE

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<b>Software Engineer Intern</b> The Washington Post	March 2021 - Present <i>Washington, D.C.</i>
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- Building front-end components using **React.js** for the home and article pages
- Writing unit tests using **Jest** and **Enzyme** and E2E tests using **Cypress**
- Working in agile development following scrum methodologies
- Technologies: **Next.js, Jest, Enzyme, Cypress E2E, Storybook**

<b>Front End Engineer</b> Stanford Carta	September 2020 - Present <i>Stanford, CA</i>
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- Refining the course planning web application and help building a new version from the ground up with a custom design system
- Reduced loading time of search results and course reviews by **300%** with the use of **stale-while-revalidate** and infinite scroll pagination
- Technologies: **React, Redux, TypeScript, Storybook**

<b>Full Stack Engineering Intern</b> Openproof	June 2020 - Present <i>Stanford, CA</i>
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- Converting a logic courseware application to a newly improved web application using the **MVC paradigm**
- Refashioned the model component of the design pattern by serializing data from the backend into abstracted components
- Migrated from Bootstrap V3 to Bootstrap V4 with a complete responsive redesign of the application chrome
- Technologies: **JavaScript (ES6), jQuery, Subversion SVN**

## PROJECTS

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**Telehistory:** [Github](#)

- Created a web app using **Next.js, TailwindCSS, TypeScript, and Nivo Graphs** that charts and analyzes chat history from the popular messaging app Telegram

**Applied Learning Initiative:** [Github](#)

- Developed a website using **React/Redux, TypeScript, NodeJS, MongoDB/Mongoose, Firebase** that allows students to find research opportunities with various PIs or other student projects