

# Alex Straight

## Software Engineer

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## Education

### Bachelor of Science in Computer Science

San Diego State Univeristy, San Diego |  
August 2021 - May 2025

Major GPA: 4.0

## Key Skills

- TypeScript
- React
- Next.js
- Go
- CSS
- HTML

Talented web developer passionate about blending creativity with engineering to create efficient web applications. With expertise in React and Next.js, I've developed projects such as a pathfinding visualizer, a pictionary app using Go for WebSocket communication, and several other notable projects. Committed to staying current with industry trends, I strive to solve complex problems creatively and make a meaningful impact through my work.

## Professional Experience

### Teachers Assistant

San Diego State University, San Diego, California | May 2024 - Present

- Teachers assistant for data structures and algorithms.

### Front End Engineer Contract

San Diego State Univeristy, San Diego, California | May 2024 - July 2024

- Utilizing Next.js 14 for server-side rendering and static site generation.
- Implementing TypeScript to ensure type safety and enhance code quality.
- Building interactive user interfaces with React.

### Front End Engineer Intern

Academic Assist, San Diego, California | March 2024 - July 2024

- Used Next.js 14, TypeScript, React, Tailwind CSS, Framer Motion and Shadcn UI.
- Worked with UI designer to rebuild landing page.

## Projects

### Pathfinding Visualizer

- **Features:** Visualizes pathfinding algorithms, built with React and Next.js, TypeScript for code reliability, interactive user experience.
- **Link:** [algo-visualizer-nine.vercel.app](https://algo-visualizer-nine.vercel.app)

### Pictionary With Friends (still in development)

- **Features:** Websocket for real time multiplayer experience. Go for web socket communication.
- **Link:** [pictionary-tan.vercel.app](https://pictionary-tan.vercel.app)