



# ALEX STRAIGHT

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Portfolio: <https://alex-straight.vercel.app/>

## PROFESSIONAL SUMMARY

Talented web developer passionate about merging creativity with engineering principles to craft user-friendly and efficient web applications. My expertise in React and Next.js has been instrumental in developing projects such as a pathfinding visualizer, cloning the Linktree app, and currently developing a Pictionary with friends application using Go for WebSocket communication. Committed to staying at the forefront of industry trends, I aim to solve complex problems creatively and make a meaningful impact through my work and personal projects.

## SKILLS

- TypeScript
- Next.js
- React.js
- Prisma ORM
- Tailwind CSS
- HTML5
- Go

## EXPERIENCE

### Teachers Assistant

May 2024 - Current

San Diego State University | San Diego, CA

- Teachers assistant for data structures and algorithms.

### Front End Engineer

May 2024 - July 2024

San Diego State University | San Diego, CA

- Using Next.js 14, TypeScript, React, Tailwind CSS, Framer Motion and Shadcn UI.
- Developing a website for the Computer Science Department

### Front End Engineer

March 2024 - June 2024

Academic Assist | Chula Vista, CA

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

### STEM Pathways

June 2023 - August 2023

San Diego State University | San Diego, CA

- Pioneered a study on optimizing NOMA systems using Reconfigurable Intelligent Surfaces (RIS)
- Presented 'Reconfigurable Intelligent Surfaces' at SACNAS National Conference- October 2023

## EDUCATION

B.S. in Computer Science

May

San Diego State University, San Diego

2025

Major GPA: 4.0

## PROJECTS

Pictionary with friends (Still in development)

- **Features:** Websocket for real time multiplayer experience.
- **Link:** <https://pictionary-zeta.vercel.app/room/20>

#### **Link Tree Clone - Personal Web Link Aggregator**

- **Features:** Clone with responsive design, Next.js routing, TypeScript for type safety, customizable user links, secure authentication.
- **Link:** <https://ltree-clone.vercel.app/>

#### **Pathfinding Visualizer - Interactive Algorithm Visualizer**

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