

# Alex Lenh

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## Education

### Bachelor of Science, Computer Science

Sep 2021 - May 2025

San Diego State University, San Diego, CA

GPA: 3.6

Coursework: Data Structures & Algorithms, Java OOP, Software Systems, Database Theory and Implementation, Computer Architecture, Operating Systems, Unix System Administrator

## Relevant Experience

### Full-Stack Web Applications | React, NodeJS, RESTful APIs, Postgres, jQuery, Express

Oct 2025 - Dec 2025

- Built multiple full-stack web applications using ReactJS, creating reusable component architectures with props and integrating RESTful APIs for seamless client to server communication
- Developed backend services with Express, implementing middleware, server-side routing, request validation, and optimized CRUD operations using PostgreSQL and Postman for endpoint testing
- Designed dynamic server rendered pages with EJS and enhanced interactivity using jQuery for responsive, event-driven DOM manipulation

### Backend Discord Bot | NodeJS, APIs, SQLite, Sequelize | Github

May 2025 - Aug 2025

- Designed a backend focused Discord bot with Node.js for scalability and utilizing Discord.js, a powerful library, to streamline REST and websocket API's with Discord servers
- Engineered solutions by integrating modular APIs that handled automation and external services such as Google's Gemini API to reduce redundant tasks and workload saving on average an hour per day
- Implemented a SQL database layer using SQLite3, a lightweight performant database for its simplicity and Sequelize, an ORM for query modularity, to persist and store user data allowing for secure data and faster data lookups in overall features

### UNIX/System Administration | Bash, Azure, Linux, Unix

Jan 2025 - May 2025

- Built a full-service virtual infrastructure across five operating systems, including DNS, LDAP, mail, web, file, and print servers using FreeBSD, OpenBSD, Linux (Rocky/Ubuntu), Solaris, AIX, and Azure
- Developed Bash scripts to automate SSH key generation and secure key distribution across virtual machines running Open/FreeBSD and servers cutting manual key management time by 75%
- Deployed and managed a private and public cloud environment with automated backups, P2V conversion, certificate management, and agent-forwarded secure access

## Projects

### Personal Website | React, CSS, Vite | Github

Dec 2025 - Present

- Designed and developed a pixel perfect UI/UX experience using React and CSS, utilizing and creating reusable React components to deliver a comprehensive and professional experience
- Optimized frontend maintainability by engineering a data driven UI, leveraging Javascript ES6 to dynamically map complex data structures into interactive, accessible components

### Distraction Blocker Chrome Extension | Javascript, HTML, CSS | Github

Aug 2025 - Present

- Developed and designed an interactive UI/UX experience with dynamic DOM manipulation, responsive layouts, and animated transitions utilizing HTML5, CSS, and JavaScript
- Implemented background scripts to dynamically track websites with user defined actions resulting in increased productivity by minimizing overall reported distractions from 23% to 58% per day

## Technical Skills

Languages: Javascript, Python, Java, HTML5, CSS3, SQL

Frameworks & Libraries: React, Express, jQuery, Bootstrap, EJS

Databases: PostgreSQL, SQLite, Sequelize ORM

Developer Tools: Bash, Git, Vite, VSCode, Postman, REST API, NodeJS, Chrome DevTools