

ALAN DE LEON

DAVIS, CA

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[PORTFOLIO](#)

[GITHUB](#)

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SKILLS

Languages: JavaScript, Python, SQL, HTML/CSS, TypeScript

Tools: Postman, AWS, Git, Docker, Heroku

Frameworks: Mocha.js, Node.js, Express, React, Redux, Sequelize, Socket.io, Chai, ImpactJs, Nintendo Web Framework, SQLAlchemy

RECENT EXPERIENCE

Junior Software Engineer

Nexcra (Davis, California)

Jan 2016 - Present

- Collaborated with lead artist and programmer to design & develop WiiU gamepad functionality using Nintendo Web Framework, achieving seamless on-screen to gamepad screen gameplay experience
- Utilized Impact.Js engine & state machines to create a system for determining behavior & gameplay mechanics for player characters, resulting in optimized user engagement
- Ensured bug-free gameplay by identifying and resolving various bugs and glitches, including player/NPC states and hitbox issues, resulting in a smoother player experience

PROJECTS

LEET-CORD (React / Redux / Flask / PostgreSQL / AWS / Socket.io)

[site](#) | [github](#)

- Developed dynamic and reusable React components using a modular design approach, resulting in a highly efficient DRY application layout. Resulting in a scalable and maintainable application
- Implemented real-time chat feature using React states and socket.io for instant messaging. Enabled efficient editing and deleting of sent messages, improving user engagement and retention.
- Implemented React and Redux to dynamically render CRUD buttons for logged-in users, streamlining the editing process of their Server/Channel/Message settings

ARMORED ACORNS (ImpactJS / Nintendo Web Framework)

[site](#)

- Contributed to a team for two years in programming, building, testing, and debugging character behavior and gameplay mechanics, which resulted in responsive and unique gameplay
- Utilized event listeners and scripts to create reactive NPC AI behavior, leading to enticing combat encounters and cut scenes
- Followed an agile development process and achieved various milestones throughout the project with an on-time completion rate of 95% of tasks per sprint

MIXNEBULA (React / Redux / Express / Sequelize / Heroku / AWS)

[site](#) | [github](#)

- Utilized Express.js middleware functionality to create a custom middleware that handles any error an endpoint throws to ensure smooth functionality throughout the application
- Utilized React and Redux to create a custom-made site-wide music player that dynamically loads and plays playlists, allowing users to play music while browsing the application
- Incorporated AWS with React to create a responsive user interface that allows users to upload songs and images

POST-PIX (React / Redux / Flask / SQLAlchemy / PostgreSQL / AWS)

[site](#) | [github](#)

- Managed a team of 2 developers using SCRUM methodology while ensuring version control using Git, resulting in a well-organized and smooth development cycle.
- Integrated AWS into the user interface, enabling seamless and effortless image uploading for the frontend user while achieving fast upload speeds
- Implemented user search functionality by leveraging Redux states and stores. Empowering users to search for other users and connect with them easily

EDUCATION

Fullstack Web Development - App Academy | January 2023

BA, Japanese - University of California | January 2013