

Alan Deleon

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SKILLS

Languages: JavaScript / Python / SQL (PostgreSQL / SQLite) / HTML / CSS

Tools: Git / AWS / Docker

Frameworks and Libraries: Node.js (Express) / Mocha.js / React / Redux / Flask / socket.io / mocha.js / Chai

RELEVANT EXPERIENCE

Junior Programmer

January 2016 – December 2022

Nexcra (Davis, California)

- 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.
- Identified & resolved various bugs and glitches, including player/NPC states and hitbox issues, ensuring bug-free gameplay.

PROJECTS

leet-cord (JavaScript / React / Redux / Python / Flask / CSS3 / Webpack / PostgreSQL / AWS / socket.io)

[Site](#) | [GitHub](#)

A web application for creating communities to chat and share images with other people.

- Created dynamic and reusable React components by adopting a modular approach to component design, resulting in an efficient and DRY application layout.
- Utilized React states with socket.io to implement a real-time chat feature that allowed users to edit and delete their sent messages efficiently and responsively.
- 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 (JavaScript / ImpactJS / Nintendo Web Framework)

[Site](#)

Video Game officially released onto the Nintendo WiiU Online Store with sales in the thousands.

- 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 a completion rate of 95% of tasks per sprint.

MixNebula (JavaScript / HTML5 / CSS3 / React / Redux / Express / Sequelize / Heroku / AWS)

[Site](#) | [GitHub](#)

A web application for browsing and listening to music, exploring different artists, and listening to their music.

- 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.

Insta-post-pix (JavaScript / React / Redux / Python / Flask / SQLAlchemy / CSS3

[Site](#) | [GitHub](#)

/ PostgreSQL / AWS / HTML5)

A web application for sharing photos with other users. Inspired by the widespread application Instagram.

- Led a team of two software developers using the SCRUM methodology and managed version control using Git, resulting in a smooth and organized development cycle.
- Incorporated AWS into the user interface, facilitating effortless image uploading for the frontend user and fast upload speeds.
- Implemented a user search feature on the website utilizing Redux states and stores, enabling users to search for any other user.

EDUCATION

App Academy

Curriculum of Study in Web Development (JavaScript and Python)

University of California Davis

Bachelor of Arts in Japanese (Language)

New York, New York

November 2021; November – Jan 2023

Davis, California

Class of 2013