

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

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.

- Adopted a modular approach to component design to create an efficient and DRY application layout.
- Implemented socket.io to enable users to chat and edit/delete sent messages in real time.
- Used React with user authorization to dynamically render users' Servers/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.
- Designed bonus stages and in-game cutscenes to ensure a polished and immersive gaming experience.
- 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 seamless 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 seamlessly.
- Incorporated AWS to both frontend and backend to enable the user 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 approach and managed version control using Git.
- Integrated AWS to the user interface to enable ease of image uploading for the frontend user.
- Implemented a search feature that allows the user to search any other user on the site utilizing Redux states and stores.

EDUCATION

App Academy

Curriculum of Study in Web Development (JavaScript and Python)

New York, New York

November 2021; November – Jan 2023

University of California Davis

Bachelor of Arts in Japanese (Language)

Davis, California

Class of 2013