

# Alan Deleon

(530) 400-1830 [GitHub](#) [LinkedIn](#) [Portfolio](#) 19deleon88@gmail.com

## SKILLS

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

**Tools:** Git / AWS / Docker

**Framework and Libraries:** Node.js (Express) / Mocha.js / React / Redux / Flask / SocketIo

## RELEVANT EXPERIENCE

### Junior Programmer

January 2016 – Present

*Nexera (Davis, California)*

- Designed and developed WiiU gamepad functionality using the Nintendo Web Framework for on screen to gamepad screen gameplay.
- Collaborated with lead artist and lead programmer to create game system design that determine a player character's behavior and gameplay mechanics utilizing Impact.js engine and state machines.

## PROJECTS

### 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 game expert team to program, build, test, and debug character behavior, gameplay mechanics, design bonus stages, and in-game cutscenes to ensure a polished gaming experience through 2 years agile development process and various milestones
- Utilized event listeners and scripts to create reactive NPC AI behavior that lead to enticing combat encounters and enticing cut-scenes.
- Resolved various bugs and glitches including player / npc states and hitbox issues resulting in smooth bug free gameplay.

### leet-cord (JavaScript / React / Redux / Python / Flask / CSS3 / Webpack / PostgreSQL / AWS / SocketIO)

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

*A web application that demonstrates the use of React / Redux and Flask / SQLAlchemy to mimic Discord.*

- Adopted a modular approach to component design to create an efficient and DRY application layout.
- Implemented SocketIO to enable users to chat and edit / delete sent messages in real time.
- Used React in conjunction with user authorization to dynamically render Servers / Channel settings for users.

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

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

*A project made to mimic light features from SoundCloud*

- Utilized Express.js middleware functionality to create a custom middleware that handles any error an endpoint throws to ensure seamless functionality throughout the application.
- Designed frontend React components and Redux states to create a truly dynamic one page website experience.
- 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 group project with peers to implement features similar to Instagram*

- Collaborated with other software developers using the SCRUM approach and managed version control using Git.
- Integrated AWS to user interface to enable ease of image uploading for the frontend user.
- Implemented a search feature which 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