Alan Garcia

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Education

California State University, Northridge
Bachelor of Science – Computer Science

Technical Projects

Game Hub - GitHub Repo
- Used React.js and Material UI to implement the user interface and used React Router to navigate between components.
- Used NodeJS/Express.js to create routes for the backend while using mongoose.js as an ORM to model data to store it in the MongoDB database.
- Created an Entity Relational Diagram to design the model data and design a RESTful API to perform CRUD operations.
- Used mocha.js and supertest to perform unit tests for the backend routes.
- Improve product features and security for both front end and back end.

MovieFlix - GitHub Repo | Live Demo
- Build, maintain, and improve components that are built using React.js/TypeScript and styled components.
- Improve product quality, security, and useability on both the front-end and back-end.
- Take UI/UX designs from designers and transform them into a working application.
- Wrote unit tests using Jest and supertest to test express routes and API.
- Implement any new product features ideas that improve user experience.
- Used JSON web tokens to secure communication between client and server.

Skynet - GitHub Repo | Live Demo
- Wrote and styled components using React.js and styled components.
- Researched UI/UX designs to create a user interface design and transform it into a working application.
- Review code to perform any improvements and redesign any components to be reused across the project.

Skills

Programming Skills: HTML5, CSS3/Sass, JavaScript, Java, TypeScript

Frameworks & Libraries: React.js, Node.js, Bootstrap, Material UI, Express.js, Jest

Tools & Platforms: Git, GitHub, NPM

Databases: MongoDB (NoSQL)