

Alan Garcia

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Education

California State University, Northridge
Bachelor of Science – Computer Science

Graduated May 2021

Coursera.com

- AWS Cloud Technical Essentials

Technical Projects

Game Hub - [GitHub Repo](#) | [Live Demo](#)

- Used React.js and Material UI to build the web interface and used React Router to navigate between components.
- Back end was built using NodeJS and Express.js with libraries such as Mongoose.js to be used as a ORM and to communicate with MongoDB.
- Created an Entity Relational Diagram to design the database and design a RESTful API.
- Performed unit testing on models and HTTP endpoints.
- Setup a continuous integration workflow with GitHub Actions.

Employee Database - [GitHub Repo](#)

- Front end was built using React.js and styled with Bootstrap and used React Router to navigate between components.
- Back end was built using NodeJS and Express.js with a PostgreSQL library to communicate with the database.
- Created an Entity Relational Diagram to design the database.

Cloud Systems - [GitHub Repo](#) | [Live Demo](#)

- Took the UI design and implemented the web interface by coding in HTML5, CSS3, Sass, and JavaScript libraries.
- Develop reusable class components to use across page.
- Fix any bugs that will show up on media devices.

Skills

Programming Languages: HTML5, CSS3/Sass, JavaScript, Python

Cloud Platforms: Amazon Web Services

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

Tools & Platforms: Git, GitHub

Databases: PostgreSQL (SQL), MongoDB (NoSQL)

Exposure: Test Driven Development, Docker, Agile Development, DevOps