Joseph Michael Martinez

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EDUCATION

Loyola Marymount University, Los Angeles, CA	*May 2019*
Bachelor of Science in Computer Science	*GPA 3.64*

Relevant Courses

Interaction Design	Artificial Intelligence	Discrete Methods
Algorithms	Database Systems	Operating Systems
Data Structures	Computer Graphics	Statistics and Probability

SKILLS

- Proficient: Java, JavaScript, HTML, and CSS
- Intermediate: Python, Angular, Typescript, and C++
- Experience: MongoDB, MySQL, C, C#, and Elm

TECHNICAL EXPERIENCE

Rocket Software   **Austin, TX**
Full Stack Intern   *May 2018 – August 2018*

- Built Angular components to implement front-end features based on mockups and company guidelines
- Wrote search engine to handle parsing user input appropriately for backend microservices
- Communicated effectively with team members to tackle new and interesting technical problems
- Integrated iterative design process to design new features to improve the experience of the user interface

Rezerv   **Westchester, CA**
Full Stack Developer   *June 2017 – May 2018*

- Created RESTful API endpoints to store and analyze new data gathered from users
- Contributed to the creation of the MongoDB database as more information was gathered from the website
- Developed comprehensive Mocha unit tests for new website functionality to ensure end-user stability
- Collaborated with other back-end developers to ensure correct formatting and validation of user input

Mathnasium   **El Segundo, CA**
Lead Instructor   *Feb 2015 - Current*

- Assumed managerial responsibilities during the absence of the owners
- Taught students in all levels of mathematics from grade school up to Calculus

PROJECTS

Web Front-end Design | github.com/joeymichaelmartinez/Web-Front-end-Design

- Constructed front-end web apps that used a pre-existing web service API to learn best practices for UI design. Added a reusable slider component from scratch using JavaScript and jQuery to control various features of the user interface

AudiophyleDB | github.com/joeymichaelmartinez/AudiophyleDB

- Used MySQL to store audio files and related information in a normalized database with CRUD functionality. Set up a simple front-end to handle accessing and manipulating this information

Usability Study | github.com/joeymichaelmartinez/Usability-Study

- Collected usability measurements from mobile apps and assessed their effectiveness and adherence to their associated guideline documents

Maze Ball Game | github.com/joeymichaelmartinez/Direct-Manipulation

- Created a web app that uses Device accelerometer and touch input to control a ball that destroys blocks

Autocomplete | github.com/joeymichaelmartinez/Autocompleter

- Implemented ternary search trees to find the most effective autocompletion of a given phrase

HONORS AND AWARDS

- 2nd place Loyola Marymount University Start-up Weekend
- Dean's List honor August 2015 – May 2019