




Maverick Alzate

718-514-3337 ● maverick.alzate@gmail.com

 github.com/mav-zate  linkedin.com/in/maverick-alzate  maverickalzate.com

PROJECTS

WhereBnb? | Rails, React.js, PostgreSQL

live | repo

An Airbnb inspired web app

- Integrated Google Map API to fetch only visible bnbs from backend Rails API
- Added user authentication with BCrypt gem to protect user information
- Leveraged React.js state to reduce requests to the Rails API on the backend
- Utilized Active Record to query database so bnb bookings do not overlap

Running Mario Bros. | JavaScript, HTML Canvas

live | repo

A Super Mario themed infinite runner browser game

- Refined collision detection to distinguish between players' death and kills
- Designed a parallax background to simulate motion
- Connected app to Firebase database to record player high scores

ROaR-Map | Ruby

repo

A Ruby wrapper for SQL

- Added distant relational database associations that simulate SQL joins in object-oriented fashion to match SQL's power

EXPERIENCE

Computational Approaches to Modeling Language Lab

Assistant Researcher under supervision of Professor Nizar Habash

May 2016 – August 2016, Abu Dhabi

- Developed Arabic-English translation models using the Moses engine
- Analyzed corpora data and Moses output to identify translation patterns
- Evaluated quality of translation using BLEU to establish benchmark accuracy

New York University Abu Dhabi

Independent Researcher under supervision of Professor Alberto Gandolfi

Feb 2015 – May 2016, Abu Dhabi

- Posed and developed problem for year-long research in probability theory
- Assisted in the formulation of probabilistic methods and proofs

EDUCATION

New York University Abu Dhabi

B.S. in Mathematics

August 2012 – May 2016

- Earned and maintained a full merit academic scholarship (\$280K+)
- Studied abroad in New York and Buenos Aires.

App Academy

July 2017 – September 2017

- 1000+ hour web development course with <3% acceptance rate
- Focused on Rails, React.js, TDD, Agile, and pair programming

SKILLS

JavaScript
Ruby
Java
Python
jQuery
React.js
Rails
CSS 3
HTML 5
PostgreSQL
Heroku
Git
AWS
R
Matlab
Latex

LANGUAGES

English
Spanish
Arabic (MSA)
Arabic (Levantine)