

Maria Fernanda Garcia

Software Engineer

PROJECTS

Taskana (Rails, React.js/Flux, PostgreSQL, JavaScript)

Live - Repo

A single page web app to seamlessly simulate the to-do app Asana

- Utilizes Redux to conditionally render React components dependent on the user's input.
- Implemented Rails polymorphic associations to ensure smooth interaction and usability.
- Improved the speed of the application through optimized SQL queries.
- Employs DRY coding techniques to improve code readability.

BeatSequencer (JavaScript, Tone.js, HTML5, CSS)

Live - Repo

A JavaScript Audio Sequencer built with Tone.js

- Employs Object Oriented Programming to create the structure of the sequencer.
- Manipulates the DOM through Vanilla JavaScript, without using any libraries.
- Utilizes Tone.js API to play sounds if the notes on the board are pressed.
- Built with clean and intuitive User Interface to create a seamless user experience.

LazyRecord (Ruby)

Repo

A ORM inspired by ActiveRecord of Ruby on Rails

- Creates simplifies database queries by applying ruby metaprograming and SQL.
- Assigns a default table name based on the associations between classes.
- Supports single and multiple step associations by executing object-relational mapping.

WORK EXPERIENCE

Head of User Experience, New Land Entertainment (August 2017 - Present)

- Oversaw the interview of potential users to validate the project idea.
- Analyzed data to determine the user's pain points and how to solve them.
- Brainstormed the app's potential features with the New Land team.
- Solely responsible for the design of the app flow, based on user feedback.
- Transcribed the app screens from concept to reality using Sketch.

User Experience Intern, PressXpress (May - August 2017)

- Performed a heuristic evaluation of the company's website.
- Developed a survey to determine the customers' opinion of the service.
- Investigated the company's main competitors, and created user flows for their apps.
- Documented the company's app user flow, and created a prototype of it using InVision.
- Performed usability tests of the app. Its findings were implemented in the new iteration.

EDUCATION

App Academy

(August - December 2018)

Course: Full Stack Developer

Description: 3 month intensive Full-Stack engineering curriculum
Emphasis on RESTful API, OOP, TDD, Data Structures, and latest technologies

Barnard College of Columbia University

(August 2014 - May 2018)

Degree: Bachelor of Arts

Major: Psychology

Minor: Chemistry

GPA: 3.33

Relevant coursework: Humans and Machines, Decision Architecture, Thinking and Decision Making, Attention and Perception, Coding for the Sciences.

PORTFOLIO

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CONTACT

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SKILLS AND INTERESTS

Languages

Ruby
JavaScript
HTML5
CSS
Git

DataBase

SQL
PostgreSQL
MySQL
SQLite

Technologies

React
jQuery
Ruby on rails
Heroku
Flux (Redux)
Mac Command Line
Active Record
AJAX

Interests

Snowboarding, Salsa Dancing

Books

"Don't Make me Think" by Steve Krug

"Thinking Fast and Slow" by Daniel Kahneman

"The User Experience Team of One" by Leah Buley

Design Tools

Sketch, InVision

RELEVANT CERTIFICATIONS

Web Design for Everybody

by the University of Michigan (February 2017)

LICENSE: 4VCUS62RT2TH

UX Certification

by Nielsen Norman Group

(October 2017)

LICENSE: UXC#1019758

COURSES: Information Architecture
Human Mind and Usability
User Interface Principles
Personas
Usability Testing