

Luis Arriaga

Professional Experience:

Full Stack Developer | iDONATEpro

September 2015 – Present

- Developed back-end protocol to improve MySQL query efficiency and optimize speed by up to 75%
- Designed and implemented a REST API to determine contacts' local time, time zone, and display a clock widget
- Implemented a three-way communication system between the front-end, MySQL and AWS cloud storage to upload a profile image when creating a new contact inline
- Redesigned settings infrastructure to give users the ability to select what specific content to display in their generated PDF reports
- Tasked with enhancing the entire application UX design to advance onboarding flow and ongoing retention

Technical Consultant | EPhost, Inc.

April 2016 – September 2016

- Helped create an automated onboarding procedure to invite over 16,000 current users to the client's new product application
- Built a CRUD like management system for 10,000+ preexisting shopping cart promotions
- Designed a dynamic algorithm to generate a finite amount of unique alphanumeric promotion codes
- Used Google Maps/Places API with a Place Autocomplete search field and extensive parsing to autofill the shipping address form including street type and pre/post directional street fields for the shopping cart
- Maintained a conventions-based, modular MVC framework application using Bootstrap

RF Test Engineer Intern | Skyworks Solutions, Inc.

June 2015 – July 2015

- Proposed creating a class to decrease 1,000's of microchips' test time and refine automated test solutions
- Constructed a dynamic algorithm using statistical analysis of the past fixed quantity output results to update future test parameters which led to a 25% decrease in test time

RF Transmission Systems Specialist | United States Air Force Reserve

June 2012 – Present

- Troubleshooting and calibrating VHF/UHF and SATCOM hardware

FULL WORK AND PERSONAL PROJECT HISTORY AVAILABLE ON LINKEDIN

Side Projects:

Yelp Dataset Challenge (Python)

- Using Naïve Bayes and LinearSVC on a dataset of over 1.6 million user reviews for 61,000 businesses we predicted the category of the business based solely on the review text with up to 89% accuracy.

Crime Data Analysis (MATLAB)

- Implemented K-means and Polynomial Linear Regression algorithms on a Chicago crime dataset consisting of the last 15 years to discover gambling and narcotic crimes are highly correlated with respect to time and date.

Telecom Company (Android)

- Devised an Android application simulating communications company services such as account details, service usage and online bill using the Parse BaaS tool to hold account information.
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Skills and Interests:

Proficient: Java, C++, C, Python, MATLAB, MySQL Server, JavaScript & Ajax, HTML & CSS, Google Maps/Places API, AWS API, ColdFusion

Familiar: MATLAB MathWorks, Android Studio, Vim

Education:

University of California, San Diego: B.S Computer Engineering

Expected Grad: June 2017