

# Mariela Velez

mari.vlz13@gmail.com | 787-546-8294 | Cypress, Texas

[Github](#) | [LinkedIn Profile](#) | [Personal Portfolio](#)

*Seeking entry level developer position. Able to build a sophisticated website with database backend and attractive user interface design. Fully bilingual in Spanish and English and adept in working in diverse teams for project implementation.*

## SKILLS

Node.js, React.js, MongoDB, Express, R, Microsoft Excel, JavaScript, jQuery, Github, Mongoose, MySQL, Firebase, C#, .NET, HTML, CSS, Bootstrap, Media Queries, APIs, JSON, RESTful web services, AJAX, SASS, CRUD operations, the command line, and computer science fundamentals. Biostatistics, Genomics, Proteomics, Transcriptomics, and Bioinformatics.

## EDUCATION

University of Texas at Austin, Austin, TX  
2017

June 2017 - December

### *UT Austin Coding Bootcamp - Full Stack Web Development*

An intensive 24-week boot camp dedicated to designing and building web applications. Skills learned consisted of HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, and React JS.

University of Texas at Austin, Austin, TX  
2017

May

### *B.S. Microbiology and Infectious Diseases, GPA 3.6*

The study of microorganisms and their life cycles including structure, metabolic processes, virulence, pathogenicity, spread, and interactions with host immunity.

## FREELANCE WORK

MAJiKBot

2017

### *Full Stack Developer & Lead UI/UX Designer*

- An automated banking chatbot that uses natural language to perform a variety of financial objectives such as query balances and money transfers.
- IBM Watson, React.js, Node.js, MySQL, Express, ES6, and Bootstrap 4.
- <https://majikbot.herokuapp.com/>

ASAP Locksmith

2017

### *Full Stack Developer*

- A digital tracking system backed by a SQL database which stores pending jobs and outputs weekly or periodic reports.
- Lead UI/UX designer and responsible for database management.

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- MySQL, Express, Node.js, CRUD operations, RESTful web services
- <https://asaplocksmith.herokuapp.com/>

Fitness KAMB

2017

*Full Stack Developer*

- A digital health and fitness resource created to allow users to set personal goals and find fitness centres and health conscious restaurants near them.
- Google and Zomato API, JavaScript and JQuery, HTML5, CSS, Bootstrap
- <https://marielavlz.github.io/FitnessKAMB/>

NYT Web Scraper

2017

*Full Stack Developer*

- An online web scraping app that collects articles from the New York Times and allows users to save and comment on articles.
- MongoDB, Node.js, Express, REST, Handlebars, CRUD operations.
- <https://webscrapervlz.herokuapp.com/>

Crystal Collector

2017

*Full Stack Developer*

- A game playable on the browser that randomises values onto four crystals and sets a known goal for the player to reach.
- Created with Bootstrap, Javascript, CSS, and HTML.
- <https://marielavlz.github.io/week-4-game/>

## WORK EXPERIENCE

University of Texas at Austin

August 2016 - May 2017

*Clinical Bacteriology Student*

- Worked in a clinical bacteriology lab identifying various types of pathogens from patient samples.
- Implemented a series of computational and biochemical tests as well as the use of growth mediums to isolate and identify pathogens of interest.

University of Texas at Austin

August 2014 - June 2016

*Undergraduate Bacteriology Researcher*

- Researcher focused on polymicrobial synergism and bacterial communication using model organisms such as *P. aeruginosa* and *A. actinomycetemcomitans* as well as several species of streptococci.
- Studies included genome analysis, high output RNA sequencing, and transposon sequencing.