JAVIER MARROQUIN

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EDUCATION

University of Texas Rio Grande Valley	Masters of Science, Computer Science	May 2017
University of Texas-Pan American	Bachelors of Engineering, Computer Engineering *Overall GPA: 3.71*	May 2015

EXPERIENCE

University of Texas Rio Grande Valley - *Teaching Assistant/Lecturer;* Edinburg, TX   Fall 2015 - Present
- Lectured and managed an undergraduate computer science course and mentored the students throughout the semester
- Upgraded course assignments to work with an updated software and included instructions for students to follow
- Evaluated student assignments by reviewing, running and evaluating their code based on a set of test data
- *Used:* Java, PHP, JavaScript, HTML/CSS, Qt Creator

University of Texas-Pan American - *Android Developer;* Edinburg, TX   Summer 2015
- Led the development of a camera application with the assistance of a professor at the University (Emmett Tomai)
- Developed an easy-to-use user interface, coded the image processing, and ran tests on the application
- Deployed as a closed beta for further testing
- *Used:* Java, Git, HTTP requests

University of Texas-Pan American - *iOS Developer;* Edinburg, TX   Summer 2012 - Spring 2015
- Developed an iPad application (nCluded4Life) from the ground up using funds provided by the Sid Richardson Foundation
- Iterated through several prototypes throughout development based on testing and client feedback (released on January 11, 2017)
- Managed a team of two graphic designers to create the interface and content of the application
- Mentored a younger developer to take over the position
- *Used:* Objective-C, Adobe Photoshop, Adobe Illustrator

University of Texas-Pan American - *Webmaster;* Edinburg, TX   Fall 2011 - Spring 2012
- Maintained and renovated the official site for the Pan American newspaper PanAmericanOnline, now known as UTRG Rider
- *Used:* PHP, JavaScript, HTML/CSS

PROJECTS

- **Computer Vision** (2017). Program that detects multiple bees in frame using PCA, also marks the movement direction and counts how many have left or entered the hive. OpenCV, C++
- **Online Shopping Cart** (2016). Website used to showcase a simple online bookstore complete with checkout. JavaScript, MongoDB
- **Game Development** (2013). A two player, top-down tank game complete with power-ups and a randomly generated breakable terrain, an extension was made that uses a host/client connection to allow for online multiplayer. Java

HONORS

Presidential Scholarship from the University of Texas-Pan American   Fall 2011 - Spring 2015

ADDITIONAL INFORMATION

Certifications: Adobe Certified Associate (Adobe Flash, Adobe, Photoshop, Adobe Dreamweaver), Internet and Computing Core Certification (IC3), Certified Internet Web Professional Program (CIW)

Skills: Proficient: Java, C++, Node.JS, JavaScript ES6+, Git
Familiar: C#, Objective-C, Express, PHP, Python, pygame, MySQL, SCRUM, MongoDB, OpenCV, Mongoose, HTML/CSS Microsoft Visual Studio, Unity, Adobe Audition, Adobe Premiere
Learning: Phaser.io, React, Redux, React Native, Adobe After Effects

Operating Systems: Linux, Mac, Windows
Languages: Fluent in Spanish
Interests: Computer Repair and Diagnostic, Problem solving, Networking, Artificial Intelligence, Video Games, Reading
Work Eligibility: Eligible to work in the U.S. with no restrictions
References available upon request