

JAVIER MARROQUIN

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EDUCATION

University of Texas Rio Grande Valley	Masters of Science, Computer Science <i>Overall GPA: 3.80</i>	May 2017
University of Texas-Pan American	Bachelors of Engineering, Computer Engineering <i>Overall GPA: 3.71</i>	May 2015

EXPERIENCE

DTSI - Software Engineer Associate; San Antonio, TX Summer 2017 - Present

- Created automation scripts in order to improve the efficiency of the team, test functionality and minimize human error.
- Subcontracted to Leidos in order to support and maintain the DCPDS database as part of the Configuration Management team
- *Used:* Python, Powershell, VBA, Bash, VBScript, Oracle SQL

University of Texas Rio Grande Valley - Teaching Assistant/Lecturer; Edinburg, TX Fall 2015 - Spring 2017

- Lectured and managed an undergraduate computer science course and updated assignments to support new software revisions
- Evaluated student assignments by running and reviewing 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 surveys and 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)
- Mentored another developer and managed a team of two graphic designers to create the interface and content of the application
- *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 UTRGV Rider
- *Used:* PHP, JavaScript, HTML/CSS

PROJECTS

- **Computer Vision** (2017). Detect, count, and identify the direction for multiple bees in an image using PCA. 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: CompTIA Security +, Adobe Certified Associate (Adobe Flash, Adobe, Photoshop, Adobe Dreamweaver), Internet and Computing Core Certification (IC3), Certified Internet Web Professional Program (CIW)

Skills: Proficient: Python, C++, Node.JS, JavaScript ES6+, Git, Java, VBA

Familiar: C#, Objective-C, PHP, Powershell, Bash, 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