

Brandon Martinez

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Objective

To acquire an internship that will allow me to apply my programming knowledge and skills to design programs in order to compete in the technological global economy and to have the opportunity to collaborate with experienced professionals to enhance my coding skills.

Education

The University of Texas Rio Grande Valley, Edinburg, TX

Bachelor's of Computer Science

Expected by: May 2018

South Texas College, McAllen, TX

Associate's of Computer Science

Received: May 2016

Thelma R. Salinas STEM Early College High School, La Joya, TX

High School Diploma

Received: June 2016

Research Experience/Community Service

Sponsor: Andy Medina

Summer 2012

Position Held: Technical Assistant

- Responsible for teaching students how to program and build a robot using the Lego Mindstorms robotics kit to perform underwater tasks.

Sponsor: Guillermo Flores

Summer 2013

Position Held: Technical Assistant/Presenter

- Taught Elementary students, in sponsorship of Hour of Code, how to create games, presentations for school, and video clips through Scratch programming.
- Taught La Joya ISD Staff how to code in Scratch so they can implement Scratch into their curriculum as a method of teaching their students.

Head of Department: Nancy M. Amato

Summer 2015 - Summer 2017

Position Held: Undergraduate Research Assistant

- Researched Motion Planning and Algorithms in Parasol Lab.
- Developed a new Non-Holonomic User Guided algorithm along with Dr. Nancy Amato and graduate student mentors; Jory Denny and Read Sandstrom.
- Developed a system for physical robots to travel autonomously through an environment using QR codes and trigonometric calculations to localize itself.
- Developed a Test Suite for a simulator designed to evaluate Motion Planning Strategies through a set of comprehensive problems.

Skills & Abilities

- Programming knowledge in: C++, C#, Java
- Advanced skills in Microsoft Office 2007-2015
- Proficient typing skills
- Skilled in writing, reading, and speaking in both Spanish and English

Honors/Accomplishments

- 1st Place Region 5 Robotics Competition 2012-2013
- Golden Presidential Award for 250+ Community Service Hours 2013-2014
- 2nd Place Research Poster Symposium at Texas A&M University Summer 2015
- 1st Place Regional Science Fair 2015-2016
- UTRGV Scholars 2016-2020
- ACK. in Dissertation: Collaborative Motion Planning By Jory London Denny