

MARTHA G. MARTINEZ RODRIGUEZ

(480) 859-1370
mm.46592@gmail.com

EDUCATION

Bachelor of Science, Computer Science
Arizona State University, Tempe, AZ
Dean's List, Magna Cum Laude

May 2017 – Dec 2019
GPA: 3.75

Associate in Science
Phoenix College, Phoenix AZ
Honor's Program, Highest Distinction

May 2015 – May 2017
GPA: 3.98

TECHNICAL SKILLS

Programming: C, C++, Java, C#.NET, JavaScript, HTML, CSS, PHP, Python, SQL, XML (XSD) Schema

Software: Visual Studio, AWS, MongoDB, PostgreSQL, Node.js, React, GitHub, XCode, Unity, Linux, JUnit

PROJECTS

Panagon Social Media Website

Summer 2020

- Created a website to post status updates, create groups, and add photo albums for people that have passed away.

Radiologist Learning Platform

Summer 2020

- Developed a website for students to join video conferences and take assessments monitored by the instructor.

Dynamic Spinal Model for Immersive Therapeutic Biofeedback

Spring 2019

- Collaborated in a team of five to design and develop a virtual mechanism to assist in the instruction of physical therapy exercises using data analysis from sensor signals to improve effectiveness in the exercise performance.
- Animated the spine in C# using Unity and read in real-time data to show movement in Moverio smart glasses.

Service-Oriented Computing System

Spring 2019

- Used Microsoft Visual Studio to implement web services to filter out the function words in a string, delete the characters in a string from another string, find the length of the longest palindrome in a string, list all possible combinations of characters in a string, and sort the numbers in a string separated by commas using merge sort.

Front-End of a Compiler

Fall 2018

- Developed a program to parse the input of a program and enforce semantic checks on the input.
- Created an intermediate representation of the input using data structures in C++.

2D Graphics Java Drawing Application

Summer 2018

- Implemented features to allow the user to draw four different shapes in their desired color selection, change the color of the background, add different colored grid lines, draw line connections, and redo or undo their actions.
- Established time effective milestones and set performance goals to ensure quality and progression in the project.

OTHER WORK EXPERIENCE

Amazon Fresh Warehouse, Phoenix, AZ: Warehouse Team Member

July 2020 – Present

- Bagged fresh, frozen, and packaged groceries to deliver at the footsteps of Amazon's customers during a pandemic.

ExpoTech Inc., Scottsdale, AZ: Software Engineer

June 2020 – November 2020

- Developed websites, communicated with clients, created project documentation, and did database administration.

Hilton Garden Inn Phoenix Midtown, Phoenix, AZ: Server

November 2015–November 2016

- Provided attentive service, upsold effectively, answered room service calls, and operated the cash register.

Arizona State Fair, Phoenix, AZ: Customer Service Representative

October 2015 – November 2015

- Responded to inquiries, resolved and avoided escalation of problems, and ensured positive customer experience.

ACTIVITIES

Rotary Interact Club

August 2012 – October 2015

Vice-president leadership role:

- Helped host numerous volunteer work events, including blood drives and food drives; encouraged students to attend a leadership camp held yearly over the MLK weekend; organized meetings and attended annual conferences.