Jorge Armando Valdez Jr.

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Southern Methodist Univeristy Lyle School of Engineering - August 2014
B. E. in Computer Science

Work and Volunteer Experience

Blue Cross Blue Shield of Texas
Associate Intern

July 2014 - December 2014; June 2015 - August 2015

Developed internal desktop business applications in C# and VB on the .NET framework. Applications interfaced with SQL databases, Office applications, and automated browser interactions for certain tasks.

St. Cecilia Catholic School
Volunteer Assistant Technology Coordinator; IT

May 2010 - Present

Assist in deploying and maintaining technical solutions and school-wide computer systems and network infrastructure, as well as giving training on said systems and providing assistance to faculty.

SMU First Year Engineering Design
Teaching Assistant

September 2015 - Present

Assist students and teaching staff in designing and building autonomous robots to traverse a course.

HackDFW
Director; Sustainability, Dallas Partnerships, and Community Programs

November 2015 - Present

Interface with the local Dallas community as well as the greater Hackathon Hacker community in developing and maintaining a network of programs and logistical details to strengthen and promote HackDFW and our mission.

Perot Museum of Nature and Science
Volunteer

September 2013 - Present

Educate museum visitors on exhibit halls, as well as walking visitors through technical, hands-on laboratory experiments.

Coursework and Skills

C++, C#, Java, Python, JavaScript, Golang
HTML, CSS, jQuery
Unix/Linux, Bash

Data Structures (C++, Java)
Databases (SQL, NoSQL)
Assembly Language

Relevant Projects

WikiBooks Search Engine
Data Structures (C++)

Parsed and indexed the entire wikibooks corpus from an XML dump. Indexed in under 10 seconds and allowed for complex boolean queries through a CLI, giving results based off of calculated tf/idf score.

TEDxSMU Mad Libs Camera Booth
Fall 2014 IDE (Python)

Worked on a team to design a photobooth for the TEDxSMU 2014 conference that would play Mad Libs using previous TED talk titles with images taken by attendees.