ESAI MORALES

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EDUCATION

Santa Clara University – Santa Clara, CA
M.S. in Computer Science and Engineering
Expected Graduation: June 2019

B.S. in Computer Science and Engineering, Music Minor
Expected Graduation: June 2018
GPA: 3.2

Undergraduate Coursework: Web Information Management, Theory of Algorithms, Operating Systems, Web Usability, Computer Networks, VLSI & Logic Design, Embedded Systems, Data Structures

SKILLS

Programming Languages
Proficient: Python, C/C++
Experienced: Java, C# .NET, SQL, JavaScript/jQuery

Web Design
Proficient: HTML5, CSS3
Bootstrap, Adobe Photoshop, GIMP

Tools/Technologies
Microsoft SQL Server, .NET MVC, Git, UNIX/Linux

PROFESSIONAL EXPERIENCE

U.S. Bank – Portland, OR   June - September 2017
Software Engineering Intern
Created data model for nation-wide Lockbox remittance service environment network; developed internal ASP.NET application to hold and manage all Server, Workstation, and Environment metadata using Agile methodology

Santa Clara University, Center for Professional Development – Santa Clara, CA   June 2016 - 2017
Website Technician
Built SCU web content on T4 platform and maintained existing material; managed all logistical elements of multiple professional development sessions; designed and coded a Liturgical planning web tool using a MySQL database, Flask web server, Python

Nike Inc. – Beaverton, OR   Summer 2014, 2015 & Winter 2016
Seasonal Athlete
Delivered customer service and product knowledge to consumers in a team-oriented environment

OTHER EXPERIENCE

Darshan to Divinity, Non-Profit – Santa Clara, CA   January 2016 - June 2017
Web Developer
Improved website rendering by converting image-based site to HTML/CSS; reduced page data size 15% and server requests 13%

Santa Clara University – Santa Clara, CA   September – January 2017
Student Researcher
Collected, sorted, and mapped Twitter data to generate tweet propagation graphs and locate influential nodes/connections

PROJECTS

Movie Recommendation System | *Coursework*
Created a movie rating predictor using a 200 user training dataset with 1000 movie ratings; implemented collaborative filtering and ensemble algorithms in Python; placed above the 90th percentile class-wide

iMessaging Application | *Personal*
Built Android application to send/receive iMessages; implemented message forwarding through AppleScripts and Python; Flask web server; HTTP & Firebase for communication; Java, XML, SQLite

Liturgical Music Planning Tool
Worked with a liturgical composer to design a liturgical planning web application that provides commentary on readings, themes, and song recommendations; HTML/CSS JavaScript front end; python back-end

LEADERSHIP

Chair & Guitarist - Mariachi de Santa Clara (Club)
January 2016 – Present
Lead Guitarist - Santa Clara Mission Choir
September 2014 – Present
Active Member - MECHA Culture Club
September 2014 – Present

Cristo Rey San Jose High School – San Jose, CA
Math Tutor
September - December 2016
St. Matthew Catholic Church – Hillsboro, OR
Spanish Youth Choir Director
September 2012 - 2014