

EDUCATION

Santa Clara University – Santa Clara, CA

M.S. in Computer Science and Engineering

Expected Graduation: June 2019

Graduate Coursework: Database Systems (in progress)

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

Designed data model for Lockbox network; a nation-wide remittance processing service. Implemented an internal ASP.NET MVC application to hold and manage all server, workstation, and environment metadata using SQL Server and 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

Darshan2Divinity, 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 and 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 & ACTIVITIES

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