

# Moises Jorales Sanchez

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## SKILLS

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Languages: Python, JavaScript, HTML5/CSS, R, C++

Frameworks: Flask, Vue.js

Databases: MySQL, PostgreSQL

Operating Systems: Windows, Linux

Other: Git, Heroku, Postman, Regex, XPath Selector

## PROJECTS

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Personalized Movie Discord Bot - Python, Heroku

Link: <https://github.com/moisesjsanchez/Fathom-Chan>

- Developed discord bot which interfaces with Google Sheets API to fetch movie times and title to chat server
- Implemented automated web scraping on Fathom website to supply movie data for the bot to fetch from

Riff Writing Tool Web Application - JavaScript, Vue.js, Heroku, HTML5, CSS

Link: <https://github.com/moisesjsanchez/prog-generator>

- Developed frontend web application using JavaScript that fetches random musical theory for guitars to assist music writing process
- Integrated Guitarist Toolbox API to supply musical terminology

Guitarist Toolbox Public API - Python, Flask, postgreSQL, Heroku

Link: <https://github.com/moisesjsanchez/Guitarist-Toolbox>

- Developed RESTful API that gives guitarist technique, time signature, and scale in JSON format
- Documented Guitar Toolbox API for future developers
- Designed and implemented unit testing using unittest

Personal Website- Vue.JS, Vuetify, Netlify

Link: <https://www.moisesjsanchez.com>

- Developed and designed personal site using Vue.js and using Google Material Design
- Deployed and hosting website using Netlify

## PROFESSIONAL EXPERIENCE

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Maria's Rest Home

Summer 2015 – Current

Self Employed, *Santa Maria, CA*

- Works family business caring for the needs of elderly on weekends during the school year, daily during vacations.
- Communicated and assisted with mentally disabled with daily activities such as safety, walking, and etc.

## EXTRACURRICULAR

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Society of Physics Students:

*Secretary*

- Set up quarterly leader meetings about gathering professor class speakers, and took notes on meetings
- Gave talk on applications of Python in Physics and how to set up Jupyter Notebook and virtual environments for Windows OS

Hobbies:

- Fingerstyle Guitar, Math Rock, Learning New Technologies

## EDUCATION

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B.A. Mathematics; Emphasis on Scientific Computing  
*University of California, Santa Barbara, CA*

Graduated June 2019