Roberto Campos

Sacramento, CA | (916)-524-2244 | roberto.student@outlook.com | www.linkedin.com/in/robertocamposcsc

Objective

A focused and capable computer science student seeking an internship or full-time employment opportunity with experience using Python, R, SQL and Tableau. Passionate in pursuing a career in data to contribute with helpful insights that will benefit society, companies, organizations and help make crucial decisions. Willing to change career focuses and take on any challenge.

Education

Bachelor of Science in Computer Science **Estimated: 2020**

California State University, Sacramento **Overall GPA: 3.05**

Skills Summary

- Python, Java, R, SQL, Tableau, Excel | (Familiar) HTML, CSS, D3
- Modeling data using Python, R, Tableau | Web-scraping in R and Python
- Good analytical, communication, organizational and technical writing skills

Work Experience

Sacramento Municipal Utility District (SMUD)

Data Analytics Intern **2019-Present**

- Wrote Python scripts to perform automation, data cleaning and calculations. Visualized data with Tableau, performed QA on the dashboards and maintenance. Automated data insertion into relational database. Created SQL queries to obtain insightful data and create new tables in customer analytics. Gathered data from google analytics. Ad hoc analysis.

Professional Organizations

Hornet Leadership Program | Math Engineering Science Achievement | Society of Hispanic Engineers
Association for Computing Machinery | Toast Masters | MESA Student Leader Conference 2019

Programming Experience

Python **2019**

- Various types of data manipulation and cleaning using pandas. Automating excel work. For example, joining multiple files a single excel file with needed cells and updating fields. Providing calculations and consolidating data to save time when implementing it to desired applications like Tableau. Automating data insertion into database using pyodbc. Familiar with creating visual map aids using folium to pin pointing location through the use of coordinates.

SQL **2019**

- Worked with Microsoft SQL to create relational tables for customer analytics and set up the job to update the tables at the needed time. After the tables where created, Python was used to automate the insertion of large data files. Analyzed and created new tables using fairly complex SQL queries to gather specific insightful information. Condensed thousands of lines of data into 4 lines of meaningful insight.

Semester Term Analysis Project **2019**

- Term project in which the University of Wisconsin-Madison reported grades were analyzed in R. The huge relational database dataset was obtained through kaggle.com. The libraries used to analyze the dataset where RSQLite , ggplot2, dplyr , rvest, and gridExtra. Used R Markdown to document and display transparency in order to allow others to reproduce the same analysis.

Scientific Computing and Simulation **2018**

- An individual semester final, asked to analyze a current population of mosquitos and predict the growth rate in C++. The amount of code was short about 80 lines, the logic and difficulty of the problem was challenging. After obtaining the calculations, a data file was required to immediately open and record the data. Python was used to simulate the data through the help of Pyplot. The final product was very rewarding, and received a well-earned grade.

Robo-Track **2018**

- An individual semester long project in which a game was developed through the use of Object-Oriented Programming methodology. The project was broken down into three parts, each part required different specifications to be met for the next part to function. Each part contained about 500 lines of essential code, everything interconnected together. Extremely time consuming due to the amount of detail and constant re-reading of requirements. Some specifications where not completed accordingly but the learning process and end result was extremely rewarding.

Relevant Courses

Database Mgmt. Systems | Data Visualization | Statistical Computing | Scientific Computing | Data Structure + Algorithm Analysis
Computer Networks | Computer languages and Theory | Object Oriented Programming | Intro Probability + Stat | Calculus 1 2