

Roberto Campos

Sacramento, CA | (916)-524-2244 | roberto.reachme@gmail.com | Website: <https://rber14.github.io/RobertoCampos/>

Objective

A focused and capable computer science student seeking a full-time summer internship with a variety of programming and leadership experience ready to utilize my skills to help with any computer science related projects.

Education

Bachelor of Science in Computer Science

California State University, Sacramento

Estimated: Spring 2020

Overall GPA: 3.0

Skills Summary

- Java, Python, C++, (Familiar with) R, SQL, HTML
 - Modeling data using Python e.g. Numpy/Matplotlib/SciPy
 - Good analytical, communication, organizational and technical writing skills
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Programming Experience

Robo-Track

2019

- 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 attention to detail and constant re-reading of the requirements. Some specifications were not completed accordingly but the learning process and end result was extremely rewarding.

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, but some graphical details such as the ticks were not correctly implemented. The final product was very rewarding, and received a well-earned grade.

GUI Interface

2018

- Group based project of five for computer software engineering course in which the visual requirements for an application called Pirex were met under a time constrained deadline implementing Scrum methodology. There were approximately four windows that had to be developed. GitHub was required in order to concurrently work on the code together and document the amount of work each individual did. I was responsible for the main window. At the end of the run, the professor met with the group and review our project. The main window looked according to specifications, but it was developed on a mac. The professors machine was different and the window did not scale accordingly. Due to not testing the window on different machines points were docked.

Word Count

2018

- Group project of three to develop a program that implemented data structures such as a binary search tree and heapsort to count the frequency of the words used in large text files. I was responsible for the heapsort, and required to understand how the data structured worked in order to transfer the logic into code. Although, I understood the structure I asked my group for assistance due to multiple questions about how it tied in with their parts. The heap sort was completed and implemented.
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Work Experience

Sacramento United Soccer Club

Assistant Coach

2016-2019

- Coached a group of 10 to 15 entry level players ages 3-8 developing fundamental skill sets and interest. Each week the head coach developed a new training plan with different exercises with a specific development purpose. Energy, clear communication and demonstrating correct technique was an essential part to maintain the players engaged every moment of the session.

Construction

Drywall Hanger

2016-2019

- Completed various tasks working alongside a partner and individually in a fast-paced environment. Typically, 9 to 10 hour shifts with a one hour break. Salary was not hourly, it was per fully completed unit. Helped crew leader translate and communicate effectively with construction site supervisors about various topics such as negotiating the salary or equipment needed.

Chipotle

Crew Worker

2016-2018

- Worked front end interacting with customers providing excellent service and assistance. Good communication needed to complete orders accordingly. Worked backend completing task such as prepping, storing, and washing dishes under specific time deadlines.
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Professional Organizations

- MESA
- SHPE
- ACM