Payton McSweeney

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Github : https://www.github.com/pmcsweeney

EDUCATION

University of Califoria, Berkeley
BA, Data Science
Expected May, 2021

LANGUAGES /SKILLS

Languages: Python, Java, SQL, Scheme, UNIX, LaTeX
Skills: Data Structures, Object-Oriented Programming

LEADERSHIP EXPERIENCE

Robotics : Head of Outreach
As head of outreach for my high school robotics team, I was in charge of organizing meetings, sending daily communications and updates on the status of the robot and the team in general, and keeping everyone generally in the know of what was going on. I also was in charge of fundraising so that our team could afford better facilities, tools, computers, and other resources to better improve our team performance.

PROJECTS

NBodies   **Feb 2019**

A physics based project that simulates Newton's Law of Universal Gravitation's effects on planets (referred to as bodies) gravitating around a fixed point resembling the sun.

Required knowledge: Java, Git

Maps

A project that visualizes restaurant ratings on Southside, utilizing a Voronoi diagram and a predictive algorithm via machine learning.

Required knowledge: Python, Machine Learning

Scheme Interpretor

An interpreter that allows users to input code in Scheme, a Lisp language, and output code in Python, allowing me to develop a better understanding of how interpreters work.

Required knowledge: Python, Scheme

HOG

Virtual dice game created in Python, implementing control statements and higher-order functions.

Required knowledge: Python

RELEVANT COURSES

- The Foundations to Data Science
- The Structure and Function of Programming
- Data Structures (in progress)

ADDITIONAL ACTIVITIES

- Internal Secretary, Alpha Chi Omega
- Culture Chair, Alpha Chi Omega
- AFX Dance team