

Payam Shane Sadeghian

Email: psadeghi@ucsd.edu Cell: (442) 888-0697 <https://www.linkedin.com/in/payam-sadeghian-291a47193/>

Education

University of California, San Diego

B.S., Cognitive Science (Machine Learning Specialization); Minor in Computer Science

- Class of 2021

Work Experience

METCO Engineering - Data Analytics Intern (*Summer 2020*)

- Research energy data from Houston Community College HVAC systems. Import energy data from mySQL server to pandas data frame. Clean data using pandas. Exploratory analysis on energy data using scikit-learn. Modeling Linear Regression best fit for KWH each season. Engage in team meetings and mentor meetings.

UCSD Housing, Dining, and Hospitality - Dining Services (*September 2018 - January 2019*)

- Prepared/served food, cleaned dishes, worked cash register, and attended customers at 64 Degrees restaurant.

Project Experience

Solar Panel Installation and Programming - Engineers for a Sustainable World (*Fall 2019 - Spring 2020*)

- Used Autodesk Inventor to sketch out installation site.
- Designed electrical schematic and circuit for the Solar Panel installation.
- Code charge controller to transfer data to an off-site grid for examination.

Data Science Analysis - Twitter Political Consistency (*Winter 2019*)

- Used Pandas package in Python to create data comparisons between political parties.
- Imported String data from Tweets on legislative bills on US Senate Twitter into CSV data.
- Put CSV data through sentiment analysis on Google Cloud API, compared values to votes by Democratic/Republican Senators for consistency with their tweets.

Leadership Experience

Group Leader - Sustain-A-Thon (*January 2020*)

- Brainstorm and present ideas with team members for prototype of prompt issue.
- Design and build hardware of prototype and program in Arduino C.
- Final prototype presentation to UCSD professors and San Diego County Officials.

Skills

- Java (Proficient); Python (Intermediate); HTML (Used in project); C (Intermediate); Git (Intermediate); Heroku (Used in Project); Linux/Unix (Intermediate), MS Office (Intermediate); Pandas (Intermediate)
- Relevant Coursework: Supervised Machine Learning Algorithms (Python), Basic Data Structures & Object Oriented Design (Java), Computer Organization and Systems Programming (C), Software Tools & Techniques Lab (Unix/C), Interaction Design (HTML)

Awards

First place/grand prize Sustain-A-Thon