

Jared Sarabia

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EDUCATION

Northwestern University, Evanston, IL

Expected Graduation June 2023

Master of Science in Data Science

University of San Francisco (USF), San Francisco, CA

May 2019

Bachelor of Science in Data Science

CERTIFICATION

Certified Data Management Professional, Data Management Association International

June 2022

Machine Learning Certificate, Cornell University

November 2020

WORK EXPERIENCE

NAVSEA NSWC Port Hueneme Division, Port Hueneme, CA

Data Analyst

July 2019 - Present

- Leading supply chain modeling efforts involving various stakeholders that is receiving Admiral attention
- Designed/programmed an analytic workflow for ship data that reduced manual work by 192 hours/month
- Refined procedures and coordinated team tasking based on working with stakeholders that resulted in improved data reports and realignment of thousands of dollars of funding to necessary problem areas

Applied Data Science Researcher

August 2019 - Present

- Leading a development team to program a graphical user interface and improvements to previously developed recommendation system, increasing speed by 12x over previous algorithm
- Programmed a recommendation system using natural language processing (NLP) to identify similar failure records that reduced human analytic time from 4 years to 9 minutes
- Produced an agnostic Python tool for data cleaning and data analysis with NLP and machine learning that reduced production time for various analyses, saving 1-5 hours per analytic task

San Diego Padres, San Diego, CA

June 2017 – August 2017

IT Intern

- Worked with Database Admin and BI team on scraping ticket sales data in an ETL pipeline using SSIS
- Contributed a C#/JavaScript search option tool to a web form used in the company's internal app

First Capital-AWIS, LLC, San Diego, CA

May 2016 – August 2016

Junior Business Analyst (Intern)

- Developed Java programs that reviewed databases by integrating SQL commands, reducing weekly manual tasking by 4-8 hours
- Created documentation for data cleaning tasks and personally trained others to insure seamless transition

NOTABLE PROJECTS

Food Carbon Cost Personal Project

Ongoing

- Developing a Python tool to scrape food data via AWS tools to analyze/visualize the carbon costs of food

Chicago Daycare Inspector Reallocation - Database Class

May 2022

- Identified and mapped healthcare violating daycares through NoSQL/Python to reallocate manpower

RELEVANT COURSES

Data Science in Practice, Statistical Learning, Linear Regression, Data Structures and Algorithms, Probability and Statistics w/ Applications, Discrete Mathematics, Databases, Data Visualizations, Human Computer Interaction

TECHNICAL SKILLS

- **Programming languages:** Proficient in: Python, R; Basic in: Java, JavaScript, VBA
- **Database languages:** SQL (through MySQL, SQL Workbench, PostgreSQL, NoSQL)