Cassidy Newberry

815-260-9096 | crnewberry@dons.usfca.edu

Objective

I am looking for a career opportunity where I can combine my passion for data science and public policy. I want to use data science to promote equality and social justice.

Education

University of San Francisco

Bachelor of Science - Data Science, Minor - Politics   *GPA: 3.85/4.0*

Technical Skills

Languages: Java, Python, R, SQL (Postgres), Pandas

General: Data Visualization, Data Analysis, Machine Learning, Linear Regression, Data Structures, Algorithms, Statistics

Technical Projects

Analyzed Global Suicide Trends
- Cleaned and analyzed a data set with over 350,000 data points.
- Interpreted global trends to identify the groups most vulnerable to suicide based on age, sex, economic status, location, etc.

Analyzed Crime Rates in Chicago
- Identified, with machine learning, subgroups in Chicago that were more likely to be arrested for small crimes.

Conducted a Comparative Analysis Between Risk Assessment and Redlining
- Cleaned and analyzed two different data sets and compared the impact of redlining and risk assessment.

Work Experience

Site Leader: Engage SF | August 2017-Current | San Francisco, CA
- Direct a team of 10 tutors who are a part of Engage SF. We all tutor at an under resourced after school program for elementary students. Foster a sense of community between the tutors, the students, and the supervisors of the after school program.

Data Science Intern: JC Schultz Enterprises Inc | May 2018-August 2019 | Batavia, IL
- Analyzed and transformed sales data into useful marketing proposals. Learned how to effectively clean and visualize data in Python and R.

Statistics Teacher's Assistant: The University of San Francisco | January 2019-current | San Francisco, CA
- Hold office hours where students taking statistics are able to ask questions. Grade weekly homework, quizzes, and midterms.

Additional Activities

Studied Abroad in Northern Ireland
- Participated in a year long course on conflict and resolution. Took an immersion trip to Northern Ireland for a case study on The Troubles.

The Grace Hopper Women in Tech Conference
- Networked and explored various career and research fields centered on empowering women in STEM.

Areas of Public Policy Research

Prison Reform, Hereditary Alcoholism, Racist Authoritarianism, Gender Based Discrimination in Healthcare

Accomplishments

Craig Newmark Women In Tech Scholar, Parasol Trust Foundation Women in Tech Scholar, University of San Francisco's Honors College, University of San Francisco Scholar