CHRISTOPHER MAYORGA

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I am an inquisitive social scientist and educator turned data professional. My analytical mindset, empathy, and sense of ethics aid me in designing actionable products, experiences, and reports. Above all else, I am detail-oriented and an effective communicator.

ANALYTICAL TOOLS & SKILLS

Applied Statistics - SQL - Python - Pandas - Matplotlib - Machine Learning - Natural Language Processing - Data Storytelling - Git - Jupyter Notebooks - Anaconda - Tableau – Seaborn - Excel

WORK EXPERIENCE

Holistic Index | Data Intern

May 2021 - Present | Chicago, IL

- Cleaned datasets for visualization and Workforce Diversity Calculator, a machine learning model which provides analysis of employee demographics
- Assisted with client-centered products such as competitor data analysis, compensation and tenure reporting, and recommendations for equity

Technologies used: Google Data Studio, BigQuery (SQL), NLP, Jupyter, Excel

SESP Leadership Institute | Counselor

August 2018 – September 2019 | Evanston, IL

- Designed and facilitated the curriculum for a career and personal development workshop series to 20 incoming first and second years
- Developed and maintained mutually engaging relationships with participants via cultural excursions into the city of Chicago
- Conducted interviews with participants post-program to evaluate efficacy, finding 100% satisfaction rate

Technologies used: Google Drive/Docs/Slides/Sheets

Chicago Public Schools – Office of Language and Cultural Education | Academic Support Intern

January 2019 – March 2019 | Chicago, IL

- Analyzed data in Microsoft Excel to identify highest needs among 5 target schools
- Advised a case load of 40 graduating seniors on applying to college and/or the workforce
- Collaborated with a team of four to plan a conference on postsecondary success for 300 Chicago high school students
- Provided one-on-one English tutoring sessions to a case load of 15 students from grades K-12

Books & Breakfast | Tutor

September 2019 – June 2020 | Evanston, IL

- Instructed K-5 students in all subject areas three times a week during a before school program
- Participated in quarterly trainings on education equity, community development, and relationship building

EDUCATION

Codeup

Certificate of Completion in Data Science

March 2021 - September 2021 | San Antonio, TX

Fully immersive, project-based 22-week Data Science career accelerator

Northwestern University

B.S. in Education & Social Policy

Sept 2016 - June 2020 | Evanston, IL | GPA: 3.6

Minor in Latinx Studies, Certificate in Civic Engagement

PROJECTS

Predicting Texas Public Employee Salaries | Capstone Project at Codeup

August 2021-September 2021

Using data acquired from The Texas Tribune, our goal was to create a regression model that predicts a government employee's annual salary based on demographic information. In doing so we provided a methodology for companies and organizations who seek to analyze their own salary data and attain pay equity.

Technologies used: Python, Jupyter, Pandas, Scikit-Learn, Seaborn, Matplotlib, Tableau

Predicting Programming Languages of Github Repositories | Group Project at Codeup

August 2021

Scraped 100 repositories from GitHub to acquire the data. Performed data clean-up including removing stop words and non English repositories. Used NLP and classification algorithms like Decision Tree, Naive Bayes and Random Forest to build multi-class classification models predicting programming languages for every GitHub repository.

Technologies used: Python, Jupyter, Pandas, Scikit-Learn, Seaborn, Matplotlib, BeautifulSoup, RegEx, NLTK

Predicting College & University Graduation Rates using Regression | Individual Project at Codeup

July 2021

Using data from the U.S. News and World Report on over 700 colleges and universities, I created a linear regression model that predicts graduation rate based on selected features. My goal was to provide prospective college students insight on what statistics they should focus on when selecting their school. This project contributes to research aimed at assisting high school guidance counselors, college advisors, and aspiring students.

Technologies used: Python, Jupyter, Pandas, Scikit-Learn, Seaborn, Matplotlib