Michael Pierce DiSanto

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EDUCATION

University of Michigan, School of Information — Ann Arbor, MI
B.S. Information, Information Analysis Track | Ross Business Minor — April 2023
GPA: 3.98 | Magna Cum Laude | Six Term James B. Angell Scholar | University Honors
Reach Consulting Group | Delta Upsilon | Danish Institute for Study Abroad (DIS) Winter 2022 Semester
Relevant Coursework: Data Manipulation | Data Exploration | Data-Oriented Programming | Models of Social Information Processing

EXPERIENCE

KPMG LLP — New York, NY
Advisory Intern, Digital Consultant | Lighthouse - Platforms — June 2022 – August 2022

- Supported the Platforms team in integrating ServiceNow software into a major healthcare system's onboarding process.
- Led the Now Mobile integration for onboarding use cases on the ServiceNow project; utilized design thinking and documented the client's needs to create multiple iterations of the mobile application, building out 24 new pages.
- Reviewed and tested new features of the onboarding portal during three sprint cycles; provided feedback and outlined new software requirements to the KPMG Global Services development team.

Knowledge Gate Group — Copenhagen, Denmark
Student Intern — January 2022 – May 2022

- Collaborated with the local start-up organization focused on developing an AI-powered biomedical consulting platform; the platform identifies and connects organizations to key external experts in life sciences.
- Developed a program to scrape data from the NIH Library of Medicine and Clinical Trials websites using BeautifulSoup4 Python library, automating the data collection process; contributed this data to the back end of the platform.
- Studied Danish working culture and start-up theory through a complementary entrepreneurship course at DIS Copenhagen.

NYU Langone Health — New York, NY
Clinical Affairs and Strategy Intern — June 2021 – August 2021

- Engaged in an internship program focused on healthcare analytics, specifically in group practice management.
- Reviewed physician contracts to monitor incentive-based compensation and calculated bonuses based on clinical volume.
- Optimized annual review Excel templates to account for the new fiscal year; simplified file database for easier navigation.

PROJECT WORK

MSCI All-World Index NLP Analysis — University of Michigan, Information Analysis Capstone

- Consulted for the School of Data Science at a South African university as NLP lead; correlated conflict-associated words with computed word bundle collocation values from annual reports of companies in the MSCI All-World Index.
- Constructed four machine learning models and used multi-dimensional scaling to predict publishing year, finding 12% accuracy with logistic regression; calculated feature importances to find variables that have the greatest impact on the model.

Using Big Data to Solve Wordle — DIS Copenhagen, Computational Analysis of Big Data

- Developed a Python program to solve the Wordle game at different word lengths using information theory, finding the most difficult words to solve for; scraped and sorted dictionary data, utilizing JSON files to format words in an organized manner.
- Applied object-oriented programming to create two distinct classes, the Wordle game and Player, that interacted with each other.
- Calculated a best first guess for each word length and integrated the concept of entropy to determine the best next guesses.
- Modeled the number of guesses it took the program to solve Wordle, achieving 3.15 guesses, on average, for 6-letter games.

ADDITIONAL INFORMATION

Programming Languages & Cloud Platforms: Python | SQL | R | HTML/CSS | Alteryx
Python Libraries: pandas | NumPy | TensorFlow | scikit-learn | matplotlib | seaborn | BeautifulSoup4
Certifications: IBM Data Science Professional Certificate | Alteryx Designer Advanced | Excel for Business Levels II/III
Interests: New York Yankees | Michigan Football | Golf | Italian Cuisine | NYT Mini Crossword | Rubik's Cubes