
JOSEPHINE WHITTINGTON

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EXPERIENCE

UNDERGRADUATE TEACHING ASSISTANT, UNIVERSITY OF MARYLAND

August 2024 – Present

- INST414 (Data Science Techniques)
 - Provided hands-on assistance to 26 students learning data science (supervised learning: classification and regression, unsupervised learning: clustering, statistics) during lab and office hours

INFORMATION SCIENCE CAPSTONE PROJECT, UNIVERSITY OF MARYLAND

August 2024 – Present

- Worked on team of four to analyze data about organizations working with client (iConsultancy) using Python
- Designed and developed a client website using HTML, CSS, and JS to increase organization and efficiency

DATA & ANALYSIS INTERN, DIGITAS

June 2024 – August 2024

- Automated demand side platform data cleaning process in Python to reduce reporting time by one day
- Designed and presented data-driven marketing campaign with other interns for client (Sephora)
- Calculated benchmarks and updated measurement trackers for quarterly based reviews for client (Haleon)
- Enhanced understanding of Excel, Tableau, Power BI, Python, and DSPs (DV360, the Trade Desk, Xandr)

DATATHON PARTICIPANT, UNIVERSITY OF MARYLAND SCHOOL OF BUSINESS

April 2024 – May 2024

- Collaborated in team of five to develop a data-driven proposal for a city for a new NBA team
- Created dashboards in Tableau using data visualizations and explained visuals during presentation
- Used machine learning to predict costs and form a realistic timeline for the NBA

UNDERGRADUATE TEACHING ASSISTANT, UNIVERSITY OF MARYLAND

August 2023 – May 2024

- INST126 (Introduction for Programming for Information Science)
 - Provided hands-on assistance to 145 students learning Python (variables, data types, arrays, conditionals, loops, functions, I/O operations) during class and office hours
- PSYC300 (Research Methods in Psychology)
 - Provided hands-on assistance to 16 students learning research methods (Qualtrics, statistical analysis in R, qualitative and quantitative data collection and cleaning) during lab and office hours

DATA CURATION FELLOW, UNIVERSITY OF MARYLAND

January 2023 – June 2023

- Located and analyzed datasets using Python and R for use by university professors
- Worked in team of three to create coding questions for use in information science courses

PSYCHOLOGY RESEARCH ASSISTANT, UNIVERSITY OF MARYLAND

February 2022 – December 2022

- Conducted research on selective exposure and presented literature reviews of studies
- Processed participants through decision, attention, and memory studies

EDUCATION

UNIVERSITY OF MARYLAND, COLLEGE PARK

August 2021 – Present (Expected Graduation: December 2024)

- B.S. Social Data Science (government concentration) & Psychology (GPA 3.97)
- Rewriting the Code Member
- Alpha Phi Omega (community service fraternity) & Alpha Sigma Kappa (women in technical studies sorority)
- Phi Kappa Phi – Academic Honor Society
- College Park Scholars Program – International Studies (August 2021 – May 2023)

SKILLS

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|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| • Python (pandas, tensorflow, scikit-learn, matplotlib, seaborn, BeautifulSoup, scipy) | • Machine Learning (linear/logistic regression, k-nearest neighbors, SVM, decision trees) |
| • R (ggplot, dplyr, RSQLite, tidyr, shiny) | • Excel (pivot tables, VLOOKUP, query functions) |
| • Database Design (MySQL) | • Statistical Analysis (hypothesis testing, A/B testing, regression analysis) |
| • Data Visualization (Tableau, Gephi, Power BI) | • Survey Design (Qualtrics) |
| • Front-End Development (HTML, CSS, JS) | |