Abigail Kotar

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Education

Vassar College	August 2020 – May 2024
B.A. in Computer Science with Mathematics Correlate	*Poughkeepsie, NY*
University of York	January 2023- April 2023
Studied Interactive Media as an exchange student	*York, United Kingdom*

Specialized Skills

Java, Python, C, Assembly, HTML, CSS, JavaScript, R

Android Development, Web Development, Data Visualization, Figma, Balsamiq, User Design

Experience

Intern	May 30 2023-July 27 2023
Axtria	*Berkeley Heights, NJ*

- Wireframed and created an interactive prototype for new features for MarketingIQ using Balsamiq and Figma
- Forecasted and analyzed future cancer rates using Excel and Matplotlib in Python

Undergraduate Research Fellow	May 23 2022 – July 15 2022
Vassar College	*Poughkeepsie, NY*

- Performed empirical evaluations and comparisons of competing algorithms testing for consistency and dispatchability on different temporal networks
- Created data visualizations using NumPy and Plotly and performed data analysis in Python under Professor Luke Hunsberger
- Presented at the URSI Symposium at Vassar College in September 2022

Projects

Topic Modeling and Sentiment Analysis	March 2024 – May 2024
Vassar College	*Poughkeepsie, NY*

- Performed Latent dirichlet allocation from gemsim on Taylor Swift's song lyrics to compute a topic summary per album
- Utilized Flair, VADER, and TextBlob packages in Python to perform sentiment analysis
- Created data visualizations for the results using plotly in Python

Magic Murder Mystery- Android Development	August 2022 – May 2023
Vassar College	*Poughkeepsie, NY*

- Created a story-telling Android application using Java
- Won the poster competition for this application at NYCWiC 2023

Perceptions of Happiness by Continent - Data Science	October 2023 – December 2023
Vassar College	*Poughkeepsie, NY*

- Wrangled data and created complex data visualizations in R
- Performed hypothesis testing and linear regressions

Awards & Honors

Thompson Bartlett Fellow for Science, Mathematics, and Computer Science	
One of 15 students chosen to receive this fellowship from Vassar College.	*2023*
Scholarship Recipient for RESORC	
Syracuse University and Google Research led workshops on Tensorflow and machine learning	*2022*