

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 and Projects

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

Topic Modeling and Sentiment Analysis

March 2024 – May 2024

Vassar College

Poughkeepsie, NY

- Performed Latent dirichlet allocation from gensim 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