

Abigail Kotar

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Education

Vassar College

August 2020 – Present

B.A. in Computer Science with Mathematics Correlate

University of York

Poughkeepsie, NY
January 2023– April 2023

Studied Interactive Media as an exchange student

York, United Kingdom

Specialized Skills

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

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

Experience and Projects

Intern

May 2023-July 2023

Atria

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 2022 – July 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

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

Improved Yorkshire VLE - User Experience Design

January 2023 – February 2023

University of York

York, United Kingdom

- Conducted ethical user research through surveys and interviews
- Analyzed the user data by creating personas and user journey maps
- Created a high-fidelity interactive prototype in Figma for an online learning tool based on the Yorkshire VLE

InterTracktion - User Experience Design

March 2023 – April 2023

University of York

York, United Kingdom

- Created a high-fidelity prototype in Figma of a mobile application where users can use augmented reality to explore the trains in the National Railway Museum (NRM) of York
- Analyzed the survey data provided by NRM through personas and user journey maps

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

Other Interests

Quadball, Dance