

Anna Yao

(804) 393-4005 - annayao0602@gmail.com - [linkedin.com/in/anna-yao-6a4943259](https://www.linkedin.com/in/anna-yao-6a4943259) - <https://annayao0602.github.io/dataportfolio>

EDUCATION

University of Virginia August 2023- May 2027
Bachelor of Science in Data Science (GPA: 3.84/ 4.0)

- Relevant Coursework:**
Data Structures and Algorithms I, Discrete Mathematics I, Computer Systems and Organization 1, Computational Probability, Intro to Systems, Machine Learning I, Software Development Essentials, Math for Data Science, Communicating with Data, Machine Learning II, Systems II, Intro to Cybersecurity, Data Ethics, Principles of Prediction and Inference

EXPERIENCE

Foundations of Data Science Instructional Assistant – School of Data Science at UVA August 2025 – Present
Charlottesville, VA

- Instructing lab times for students and troubleshooting code issues
- Grading and providing timely feedback to students on their work weekly, holding office hours to offer extra help

Interactive Data Design Research Assistant – School of Data Science at UVA May 2025 – Present
Charlottesville, VA

- Processing datasets and creating several visualizations to compare and benchmark UVA research fields to other R1 institutes
- Collaborating with a faculty mentor to assess data metrics and perform data transformation
- Designed custom data dashboards using Figma, D3.js, and HTML/CSS for the Vice President of Research at UVA

AI Healthcare Research Analyst – School of Data Science at UVA December 2024 – August 2025
Charlottesville, VA

- Compiled and researched papers on transformer models used in the medical field for a survey paper publication
- Lead weekly meetings to administer tasks and manage workflow for research assistants
- Supported a team in the UVA School of Medicine to visualize EHR data using D3.js for more efficient treatment

Digitization Assistant – UVA Miller Center of Public Affairs August 2024 – August 2025
Charlottesville, VA

- Organized and digitized interview briefings of political figures for interviewer preparation
- Wrote python scripts alongside the Senior Data Scientist to perform data extraction and analysis using GPT models

PROJECTS

Data Dashboard - Insights into Research at UVA
Technologies: [D3.js](#), Javascript, HTML/CSS, Figma

- Designed and implemented a fully deployed website with custom D3 visualizations and networks on OpenAlex query data
- Worked alongside a faculty mentor to deliver interactive website to the Head of Research at UVA to gain insights

Machine Learning Final Project - Analyzing Social and Economic Factors to Predict Happiness Scores
Technologies: Python

- Partnered with two other peers to predict happiness scores through exploratory data analysis and linear regression models
- Evaluated performance through statistical metrics such as RMSE and delivered our findings in a final presentation

VOLUNTEERING & ACTIVITIES

Head of Opinion at the Journal of Computer Science July 2024 – Present

- Directed bimonthly meetings for a team of opinion writers and editors to discuss articles and establish deadlines

Small Group Leader of UVA Navigators Campus Ministry August 2024 – May 2025

- Led a small group of 7 students in weekly prepped bible studies and provided one-on-one mentorship weekly
- Attended biweekly leadership planning meetings and workshops

TECHNICAL SKILLS

Data Visualization: Tableau, Dash, D3.js
Programming Languages and Tools: Python, Java, R, SQL, Git, NumPy, Pandas, Matplotlib, Seaborn, AWS, Linux command line, Machine Learning, Artificial Intelligence, Javascript, MS Excel
Web Development: Website design, HTML/CSS, Figma