

Kurt Samuels Jr

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Education

- University of Virginia School of Data Science:** MS in Data Science | Charlottesville, Virginia **May 2025**
- Relevant Coursework: Machine Learning, Data Modeling, Bayesian, Big Data Systems, Neural Networks, LLMs
- University of Virginia:** Cognitive Science | Charlottesville, Virginia **August 2022 - May 2024**
- Courses: Computational Problem Solving, Neuroscience, Cognition, Psycholinguistics, Game Programming & Design
- College of William & Mary** | Williamsburg, Virginia **August 2020 - May 2022**
- NCAA Division I Student Athlete – Basketball, Developed time management skills, teamwork, initiative, work ethic

Skills

- Python (pandas, NumPy), R (tidyverse), SQL, AWS, Java & C. Google Suite/Microsoft Office Suite proficiency

Experience

- UVA School of Data Science:** MSDS Admissions Ambassador | Charlottesville, Virginia **June 2024 - Present**
- Welcomed Visitors to Grounds and provided information tours of the building and academic programs
 - Met with prospective students via informative 1:1 appointments
 - Created week in the life content for social media accounts and School of Data Science webpage
- JABA (Jefferson Area Board of Aging):** Data Report Designer | Charlottesville, Virginia. **January 2024 - June 2024**
- Corresponded with managers and directors to ascertain methods of data collecting, formatting, and targets for data
 - Determined optimal formats for capturing and displaying data in Excel dashboards to present goal progression
 - Completed HIPAA training regarding policy, procedure, and confidentiality
- UVA Cognitive Science Research:** Psycholinguistics Research Assistant | Charlottesville, Virginia **June 2023 - June 2024**
- Facilitated development of a study researching Vocal Similarity Among Siblings using PRAAT data analysis program
 - Conducted interviews with three pairs of research participants to detect nuisances of speech between siblings
 - Analyzed data on vocal frequency and timbre to determine linguistic similarities and differences between siblings
- Residential Leadership Experience:** Association Council Vice-President | Charlottesville, VA **August 2023 - June 2024**
- Devised community outreach programs within Charlottesville: Food Drives and Children's Hospital programming
 - Nominated for resident of the month for November & March by the National Residence Hall Honorarium UVA

Projects

- Optimizing Storytelling: TV Series Performance Analysis Capstone** | Charlottesville, Virginia **October 2024 - Present**
- Analyzed NLP emotion scores and various other TV show genre trends and metrics to maximize viewership
 - Implemented SARIMA model in python to analyze a multitude of factors influencing genre and viewership evolution
 - Developed an interactive dashboard visualizing key insights for creators, network executives, and media analysts
- Genius API & Apple Music Listening Data:** [Personal Project Repo](#) | Triangle, Virginia **December 2024 - Present**
- Obtained my 10,000-hour listening history to perform predicative modeling to forecast future listening patterns
 - Accessed Genius API to scrape lyrical data to analysis changes in lyrical diversity and complexity over time
- Convolutional Neural Network Car Brand Classification** | Charlottesville, Virginia **February 2025 - Present**
- Coded a CNN that given an image of a car, identifies car brand trained on 4500+ images of cars of Top 50 US brands
- Large Language Model for Active Reading** | Charlottesville, Virginia **February 2025 - Present**
- Constructed LLM that can give the reader spoiler free information about a novel, up to the line they are at.

Extra-Curricular Activities

- Sports & Data Media Club** **August 2024 - Present**
- Discussed sports technology development: neural networks, analytics, computer vision, & prep for a career in sports
- University of Virginia Club Basketball:** Student-Athlete **August 2023 - Present**
- Super Smash Bros. Club:** Member and logistics leader **August 2015 - June 2024**