**Elliott Jones**

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**DATA SCIENTIST**

A data scientist, with a background in education and physics. Wanting to bring my skills of data science and teaching to inform people the best I can about how today’s data affects their lives. Aspiring to build tools as efficiently as possible to teach the most people to give back to communities that helped me.

**TECHNICAL & INTERPERSONAL SKILLS**

**Data Science Skills:** Confidence Intervals, Excel, Feature Engineering, Hypothesis Testing, Jupyter, Machine Learning Matplotlib, MMOD, NLP, Numpy, Neural Networks, Pandas, Python, Regression, Sampling, Scikit-Learn, Seaborn, SQL, Tokenizers, Transformers.

**Interpersonal skills:** Presentation, teaching, supervision, problem solving.

**DATA SCIENCE PROJECTS**

**NLP text generation for game pieces** [GitHub](https://github.com/elliottjones56/project_5_group_work/tree/main) | | Python

* Fed machine models, text from the popular trading card game magic the gathering and generated new cards.
* Displayed generated cards on a interactive web application.

**Incarceration in North America** [GitHub](https://github.com/elliottjones56/project_5_group_work/tree/main) | | Python

* Researched incarceration data across north america in authoritarian and democratic regimes.
* Deduced country’s democratic index score based on their prison population with a Decision Tree Regressor.

**Machine learning bot predictors** [GitHub](https://git.generalassemb.ly/ejones/project_3) | | Python

* Implemented Reddit and OPENAI API to gather AI and human responses to top questions on the platform.
* Constructed several classification models with Natural Learning processor methods to predict if response is bot or AI

**SAT/ACT preference and it’s political bias**| [GitHub](https://git.generalassemb.ly/ejones/project_1) | | Python

* Measured ACT/SAT preference by state via classification modeling and mapped it to states tendency to vote democratic or republican.
* Found states that mandate the SAT/ACT tend to have lower scores.

**Ames Iowa 08’ crash**| [GitHub](https://git.generalassemb.ly/ejones/project_2) | Python

* Modeled the effects of the 2008 american housing crisis on data from Ames, Iowa housing market, and prices of houses in Ames.
* Used regression methods to make several predictive models given over 2000 houses, for any potential buyer.

**EXPERIENCE**

**Data Science Fellow, General Assembly,**  *Remote, 08/2023 - 11/2023*

* Learned data science from an accredited university, completed 6 projects in python, in 40 hours week work + 20 hrs hw.

**Maret School, Substitute teacher** *Washington, DC, 05/2022 - 05/2023*

* Taught K-12, science, math, and other subjects with long-term HS chemistry and physics positions.

**Private Tutor** *Washington, DC, 03/2021 - 05/2021*

* *Worked as a private tutor for elementary students with difficulty with remote learning during the COVID pandemic*

**University of DE, Physics visual assistant** *Newark, DE, 02/2020 - 05/2020*

* Generated physics materials, and tests for visually impaired students
* Crafted Text-to-speech readable notes for visually impaired students.

**EDUCATION**

**General Assembly,** Data Science Immersive *Remote, Graduated: 11/2023*

* Learned data science over a 12 week immersive program, covering data sciences, APIs, and industry standard practices.

**University of Delaware,** Bachelor’s in Physics *Newark, DE, Graduated: 02/2020*

* Bachelor’s in physics with experience at telescopes and optics labs.