


JANAYA BROWN

Data Analyst | Aerospace Engineer | Sustainability Specialist | Empowerment Advocate

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 [LinkedIn](#)

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Summary

Data analyst with a background in renewable energy, engineering, mathematics, and education. Adept in integrating data from various sources, drawing conclusions, and presenting findings in innovative, interactive, and aesthetically pleasing ways.

Education

Master of Education in Mathematics

Concentration: Secondary Mathematics Education
Johns Hopkins University

Bachelor of Science in Aerospace Engineering

Minor: Energy Studies
University of Notre Dame

Certificates

Data Analyst, CareerFoundry

Professional Scrum Master, Scrum.org

Skills

Analysis: Python, Python visualization libraries, SQL, MS Excel, Google Sheets, Tableau, Visual storytelling, Analytical reporting, GitHub

Engineering: C#, JavaScript, MATLAB, Fortran 90, ArcGIS, block coding, HTML, CSS, Bootstrap

Management: Agile methodologies, JIRA, MS Word, Google Docs, MS PowerPoint, Google Slides

Projects

World Happiness Index Analysis (Current Project)

- + Investigating World Happiness Index Reports from 2015 to 2020 to determine key factor in human happiness
- + Performing supervised and unsupervised machine learning analyses to make predictions on human happiness

Instacart Market Customer Analysis ([view project](#))

- + Provided insights about regional customer habits and profile in support of an Instacart marketing campaign
- + Created Python visuals using seaborn, matplotlib, and pandas libraries
- + Constructed an Excel report using visualizations to answer key questions for stakeholders

Rockbuster Stealth LLC Customer Analysis ([view project](#))

- + Conducted geospatial analysis of customer spending habits to determine where to launch a new streaming service
- + Designed interactive Tableau dashboard synthesizing the geospatial analysis
- + Created PowerPoint presentation showcasing conclusions and suggested next steps

Work Experience

Director of Education

Code Ninjas | Tega Cay, South Carolina | August 2022 – Present

- + Supporting cross-functional team of instructors daily regarding JavaScript, C#, and block coding education for 120+ students
- + Implementing and developing 2 pilot programs which achieved enrollment of 20 students within the first week

STEM Education Consultant

United States of America Department of Defense | Detroit, MI(Remote) | Aug 2019 – Present

- + Collaborating with an interdisciplinary team to across all of North America to create immersive STEM seminars that explain an array of complex topics to a diverse audience

Mathematics Instructor and Interventionist

Uplift Education | Dallas-Fort Worth Area, TX | Jul 2020 – May 2022

- + Utilized Agile methodologies to foster an academic environment in which students had ownership of their learning while effectively communicating with over 140 key stakeholder is student's education
- + Awarded the Core Value Star in Elevating Expectation, a network-wide honor, in 2020 for holding students and coworkers accountable for the district's goals

Researcher and Lab Manager

Notre Dame ESDD Research Lab | University of Notre Dame | Oct 2017 – Nov 2019

- + Worked with students, professions, technicians, and weavers in Uganda to develop hand-woven wind turbine blades
- + Researched patenting laws both nationally and internationally on behalf on the Uganda wind-turbine team