Jake Cupani

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WORK EXPERIENCE

ASRC Federal | Data Analytics Financial Support Specialist **July 2023 - Present**
- Designed, developed, and deployed Power BI dashboards and Power Apps for the NASA Goddard FASO (Financial Analytics and Systems) Office, visualizing complex financial data from SAP to streamline reporting.
- Overhauled existing design template documents for dashboards and presentations to provide a cohesive user experience and comply with accessibility standards.
- Configured automation processes using Microsoft Power Automate, increasing productivity by 20%.
- Lead the Power Platform Resource Group in providing training to 100+ employees on using Power BI, Power Automate, and Power Apps.

CTI Data | Associate Data Analytics Consultant **Dec. 2022 – July 2023**
- Developed Tableau and Power BI dashboards for multiple large institutions.
- Managed data pipelines in Informatica, Alteryx, and Snowflake.
- Initiated a weekly discussion group with coworkers to share the latest developments in artificial intelligence.

INTERNSHIPS

NASA Goddard | Software Engineer Intern **June 2022 - Aug 2022**
- Developed a Django web application for the NASA SEED (Systems Engineering Education Development) Program to visualize employee core competencies and developmental goals.

NASA HQ Mars Sample Return | Data Science Intern **June 2021 – Dec. 2021**
- Developed Power BI and Tableau dashboards for the NASA Headquarters Mars Sample Return team to forecast and visualize financial data from SAP.

PROJECTS

Reddit COVID-19 Comment Sentiment Analysis | Research Paper **Jan. 2022 – May 2022**
- Wrote a research paper on Reddit comment sentiment analysis techniques and polarity scoring to measure vaccine acceptance in the United States.

Mars Rover Image Classification | Personal Project **Jan. 2022 – May 2022**
- Created an image classification machine learning model using TensorFlow that can classify images taken by the Curiosity Rover.

EDUCATION

University of Maryland **Sep. 2020 - May 2022**
M.S., Information Management and Data Analytics *College Park, MD*
- 4.0 GPA

University of Maryland
B.S., Information Science and Data Analytics, Minor Astronomy **Sep. 2016 - May 2020**
- 3.765 GPA, Magna Cum Lade *College Park, MD*

CERTIFICATIONS, SKILLS, & INTERESTS

- **Certifications:** IICS Cloud Data/App Integration
- **Skills:** Python, UI/UX Design, Data Visualization, Power BI, Tableau, SQL, Power Automate, Power Apps, Figma, Tensorflow, Azure, AWS, Git,, HTML, CSS, JavaScript, Snowflake, Alteryx, Airflow, Spark
- **Interests:** UI/UX Design, Data Visualization, Personal Finance, Video Games, Baking