Jake Cupani

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Github: https://github.com/jakecupani

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. Nominated Power BI Subject Matter Expert.
- Assisted in the development and management of ChatGSFC, an LLM application for AI agent use cases at NASA Goddard.

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.

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 AI model using Python and TensorFlow that can classify images taken by the Curiosity Rover.

EDUCATION

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

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

CERTIFICATIONS & SKILLS

- **Certifications:** Google Foundations of User Experience Design, IICS Cloud Data/App Integration
- **Skills:** Data Visualization, Python, Tensorflow, Artificial Intelligence, Machine Learning, PyTorch, JavaScript, UI/UX Design, Power BI, Tableau, SQL, Power Automate, Power Apps, Figma, Photoshop, Azure, AWS, Git, HTML, CSS, Snowflake, Alteryx, Airflow, Spark