

Jake Cupani

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EDUCATION

UNIVERSITY OF MARYLAND

College of Information Science

MS: INFORMATION MANAGEMENT

May 2022 | College Park, MD

Cum. GPA: 4.0 / 4.0

UNIVERSITY OF MARYLAND

College of Information Science

BS: INFORMATION SCIENCE

DATA SCIENCE SPECIALIZATION

Minor: Astronomy

May 2020 | College Park, MD

Cum. GPA: 3.765 / 4.0

Academic Honors

Magna Cum Laude

CERTIFICATIONS

IICS Cloud Data/App Integration

LINKS

Github:// jakecupani

LinkedIn:// jakecupani

YouTube:// PyGuyCoding

Kaggle:// jcupani

SKILLS

PROGRAMMING

Python (Pandas, Matplotlib, Numpy)

Tensorflow

Azure / AWS / Google Cloud

Natural Language Processing (NLP)

Git/Github

HTML/CSS/JS/Django/React

SQL/MongoDB

SAP

BOBJ

APPLICATIONS

Tableau

Power BI

Power Automate

Power Apps

Snowflake

Alteryx

Jupyter Notebook

Figma

PROFESSIONAL EXPERIENCE

NASA GODDARD | DATA ANALYTICS FINANCIAL SUPPORT SPECIALIST

July 2023 – Present | Hybrid

Developed Power BI dashboards for The Financial Analytics and Systems Office (FASO) using financial data from SAP/BW.

CTI DATA | ASSOCIATE ANALYTICS CONSULTANT

Dec 2022 – July 2023 | Remote

Developed Tableau and Power BI dashboards, managed data pipelines in Informatica and Snowflake, and initiated a weekly discussion group with coworkers to share the latest developments in artificial intelligence.

UMD SCHOOL OF INFORMATION SCIENCE | TEACHING ASSISTANT

Jan 2018 – May 2022 | College Park, MD

Facilitate class activities, grade assignments, and hold office hours for courses in Geospatial Analytics, UI/UX, Python Programming, and Data Science.

INTERNSHIPS

NASA GODDARD | SOFTWARE ENGINEERING INTERNSHIP

Sep 2019 - May 2020 | June 2022 - Aug 2022 Greenbelt, MD

Developed a web application using Django for the NASA Systems Engineering Education Development Program to allow engineers and mentors to view their competencies and developmental goals as a performance tool.

NASA HQ MARS SAMPLE RETURN | DATA SCIENCE INTERNSHIP

June 2021 – December 2021 | Washington D.C.

Developed Power BI and Tableau dashboards for the NASA Headquarters Mars Sample Return team to forecast and visualize financial data from BOBJ and SAP. Configured automation processes using Microsoft Power Automate.

RESEARCH

USING REDDIT COMMENT SENTIMENT ANALYSIS AS A PROXY FOR COVID-19 VACCINE ACCEPTANCE BY STATE | RESEARCHER

Jan 2022 – May 2022 | College Park, MD

Wrote a research paper on how sentiment analysis techniques and polarity scoring can be used on top-level Reddit comments to measure vaccine acceptance in the U.S.

PROJECTS

MARS ROVER IMAGE CLASSIFICATION Jan 2022 - June 2022

Created an image classification machine learning model using TensorFlow that can classify images taken by the Curiosity Rover.

NASA METEORITE LANDINGS ANALYSIS Sep. 2020 - Dec. 2020

Conducted a statistical analysis on NASA Meteorite Landings dataset.

NASA GEDI RADIATION EVENT CLASSIFIER Jan. 2020 - May 2020

Analyzed GEDI satellite LIDAR data to develop a machine learning classifier for anomalous radiation events.