

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

Azure Fundamentals (AZ-900)

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

APPLICATIONS

Tableau

Power BI

Snowflake

Alteryx

Jupyter Notebook

Figma

EXPERIENCE

CTI DATA | ASSOCIATE ANALYTICS CONSULTANT

Dec 2022 – Present | 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.

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.

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 | CLASS PROJECT

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 | CLASS PROJECT

Sep. 2020 - Dec. 2020

Conducted a statistical analysis on NASA Meteorite Landings dataset.

NASA GEDI RADIATION EVENT CLASSIFIER | CLASS PROJECT

Jan. 2020 - May 2020

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

AWARDS

UX HACKATHON GRADUATE DESIGN CHALLENGE | 1ST PLACE

College Park, MD

Worked with a team to design a new interface for Proctor and Gamble's Coupa procurement system. Created user flow, empathy map, and prototype for the client.