Jake Cupani

jakecupani.com | 516.749.5484 | jakecup1@gmail.com

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

COURSEWORK

Data Science
UI/UX Design
Machine Learning
Web Development

LINKS

Github:// **jakecupani**
LinkedIn:// **jakecupani**
YouTube:// **PyGuyCoding**
Twitter:// **jakecupani**
Kaggle:// **jcupani**

SKILLS

PROGRAMMING
Python (Pandas, Matplotlib, Numpy)
Tensorflow
Azure / AWS / Google Cloud
Natural Language Processing (NLP)
Data Analytics
Git/Github
HTML/CSS/JS/Django/React
SQL/MongoDB
C
R

APPLICATIONS
Microsoft Office 365
Tableau
Power BI
Alteryx
Adobe Suite
Jupyter Notebook
Figma

EXPERIENCE

CTI DATA | ASSOCIATE ANALYTICS CONSULTANT
Dec 2022 – Present | Remote
Develop cloud infrastructure solutions and data pipelines for clients using Informatica and Microsoft Azure Cloud.

NASA GODDARD | SOFTWARE ENGINEERING INTERNSHIP
Sep 2019 - May 2020 | June 2022 - Aug 2022 Greenbelt, MD
Developed a website using the Django Python framework for the NASA SEED (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 analytic dashboards for the NASA Headquarters Mars Sample Return (MSR) team to forecast and visualize MSR data.

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.

RESEARCH

USING REDDIT COMMENT SENTIMENT ANALYSIS AS A PROXY FOR COVID-19 VACCINE ACCEPTANCE BY STATE | RESEARCHER
Jan 2022 – Present | College Park, MD
Writing 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

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.

SPACEQUIZ WEB APP | CLASS PROJECT
Sep. 2020 - Dec. 2020
Created a quiz web on educating kids on space terminology and vocabulary.

NASA METEORITE LANDINGS ANALYSIS | CLASS PROJECT
Sep. 2020 - Dec. 2020
Conducted a statistical analysis on NASA Meteorite Landings dataset.

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.

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.