# 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

## 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

**NASA GODDARD** | Web Development 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 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.

**PG COUNTY FOOD INSPECTION WEB APP** | Class Project
Sep. 2019 - Dec. 2019
Created a web app using the Prince George's Open Data portal to help people find safe places to eat.

**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.