

# Lorenzo Pappas

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## EDUCATION

**University of Maryland, College Park**

*B.S. Information Sciences*

**College Park, MD**

May 2019

Member of the University of Maryland Honors College

**Coursework:** Data Analysis, Statistics, Programming, Cyber Security, Design, Databases, Technical Writing

## SKILLS

**Technical:** Python ♦ Database Management ♦ Neo4J ♦ Data Analysis ♦ R ♦ SQL ♦ Statistics ♦ Data Visualization ♦ HTML ♦ CSS ♦ Tableau ♦ User Experience ♦ Natural Language Processing ♦ Machine Learning ♦ Excel ♦

Adobe Creative Suite ♦ Github ♦ Java

**Non-Technical:** Public Speaking ♦ Technical Communication ♦ Project Management ♦ Data Presentation ♦ Collaboration

## WORK EXPERIENCE

**Arctic Slope Regional Corporation**

**Washington DC**

*Data Analyst Intern at NASA Headquarters*

September 2018 - Present

- Create a semi-autonomous data cleaning paradigm that gathers, updates, and standardizes raw CSV files using Python, APIs, and Excel in order to ingest the data into Neo4j to create powerful relationship-oriented queries
- Develop Python programs utilizing NumPy and Pandas to automate data collection, data cleaning, and data organization in order to save dozens of hours of employee time
- Develop user friendly and accessible data visualizations in Python in order to enhance data storytelling and communication

**NASA Headquarters**

**Washington DC**

*Science Intern*

June 2018 – August 2018

- Worked in a 5-person team to perform an entire data science project from start to finish using Python, Pandas, and statistical analysis in order to create a presentation on our findings
- Conducted data analysis with Python in order to determine statistical significance on the effectiveness of certain NASA policies and visualize the results
- Prototyped, proposed, and demonstrated an alternative mapping software to improve external communication through data visualization

**Division of Information Technology**

**College Park, MD**

*Senior Technician*

July 2017 – September 2018

- On call to solve technical problems for over 100 professors before, during, and after lecture in order to allow classes to run smoothly despite technical difficulties
- Troubleshoot technological problems both in person and through the phone in order to instruct people with non-technical backgrounds on how to utilize their technology to the fullest
- Write professional and concise emails to professors and staff to help solve varying technological problems as quickly as possible

## RESEARCH EXPERIENCE

**Digital Curation Innovation Center**

**College Park, MD**

*Research Assistant*

September 2017 – May 2018

- Conducted statistical analysis using Excel to discover new information about U.S immigration patterns in the 1880's
- Communicated effectively and professionally between professors and classmates in order to set up several meetings and relay technical information about Python programming