Jacob Lapp

(508) 221-6692
Jl372@rice.edu
LinkedIn Profile: https://www.linkedin.com/in/jacob-lapp-8818a8216/
Data Science Portfolio: https://jslapp3.github.io

201 S Heights Blvd
Apt. 1421
Houston, TX 77007

EDUCATION

Rice University   **Houston, TX**
Master of Science in Data Science, Concentration: Machine Learning   Anticipated Dec. 2024

Emory University   **Atlanta, GA**
Bachelor of Science in Quantitative Sciences, Concentration: Political Science   May 2023

Relevant Coursework
Machine Learning, Data Structures & Algorithms, Statistics, Data Visualization, Data Ethics, Causal Inference

Technical Skills
Python, R, SQL, Git, GitHub, Amazon Web Services, Apache Spark, TensorFlow, MkDocs, Shiny, ArcGIS, QGIS, Tableau

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WORK EXPERIENCE

Rice Center for Research Computing   **Houston, TX**
Graduate Student Research Computing Facilitator   Nov. 2023 – Present
- Provide technical consultation and formally document procedures for computing resources such as Rice's on-campus supercomputing cluster and virtual machines for approximately 100+ Rice faculty and students
- Organize and lead workshops on how to use high performance computing and Git/GitHub for approximately 25 Rice faculty and students
- Develop comprehensive data automation product in Python for 12+ statewide oil and gas, well, and water layers in collaboration with Commission Shift nonprofit for approximately 1,000 viewers
- Create web application hosted on virtual machine to accompany novel sociology publication measuring segregation across various geographic regions in the United States

Science for Georgia Inc.   **Atlanta, GA**
Data Science Intern   Jun. – Aug. 2023
- Created original environmental justice index to recommend resource allocation to communities in need
- Developed ArcGIS interactive story map displaying environmental justice zones in Georgia
- Effectively communicated technical methods with shareholders and coworkers across disciplines

Cape Cod Commission   **Barnstable, MA**
Data Science Intern   Jun. – Aug. 2022
- Created Tableau dashboards to communicate valuable information to the public about local socioeconomic and environmental trends in the region
- Managed comprehensive internal data updating from the Commonwealth of Massachusetts data resources to ensure up-to-date data products

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LEADERSHIP AND COMMUNITY ENGAGEMENT

Emory University Department of Quantitative Theory and Methods, *QTM Ambassador*   Sep. 2022 – May 2023
- Selected by department for academic excellence, leadership, and communication skills to represent department in student panels, open houses, and semester-long water quality data project with external sponsor

Emory University Baseball, *Team Member*   Sep. 2019 – Jun. 2022
- Devoted 20 hours a week to athletics while managing a full academic course load
- Recognized as Spring 2021 and Spring 2022 University Athletic Association All-Academic Honoree