Matthew Murray

mamurra5@ncsu.edu • (910) 774-0002 • https://matt711.github.io/ • linkedin.com/in/matthew-murray-21365a1b7/ • github.com/Matt711

TECHNICAL SKILLS

Programming Languages: Python, MATLAB, R, C/C++
Tools: Git, Elasticsearch, Excel, Kubernetes
Interests: Sports Analytics, Scientific Computing, Finance, High Performance Computing, Deep Learning, Data Visualization, Web Scraping

GITHUB PROJECTS

Matt711/anime_reference » anime_reference
Python module for scraping static content from anime websites
Technologies: Python, Jupyter Notebook

Matt711/NBA-Data-Science » NBA-Data-Science
Web Scraping per game stats to find NBA Player Similarity
Technologies: Python, Jupyter Notebook, Excel, R

PROFESSIONAL EXPERIENCE

Incoming Backend Engineer Intern, Robinhood, Menlo Park, CA — May 2022 – August 2022
Summer 2022 Internship.
Technologies: Python, Django, Kubernetes

Dask Deployment Intern, NVIDIA, Santa Clara, CA — Jan 2022 – May 2022
Building Dask and RAPIDS at NVIDIA.
Technologies: Python, HTML, Git, Kubernetes, PyData: NumPy, CuPy, SciPy, Pandas, cuDF, Dask, Scikit-image, Dask-CUDA, Dask-cuDF

Software Engineering Co-op, Oracle, Morrisville, NC — Jan 2021 – May 2021
Full participation in Agile Software Development Team (Network Services). Built an Alert for Kubernetes Pods Restarting Continuously.
Technologies: Python, HTML, Git, Kubernetes, Elasticsearch

Software Engineering Co-op, Oracle, Morrisville, NC — May 2021 – August 2021
Managed the Python Packages Project which contains all of Network Services' internal Python Packages. Deployed Projects on Kubernetes Stack and Manually tested code changes by exec'ing into Pods and Running Commands. Managed Resources for Containers in Kubernetes Pods.
Technologies: Python, HTML, Git, Kubernetes, Elasticsearch

ADDITIONAL INFORMATION

- Interests: Sports Analytics, Board Games, Mathematics, Basketball, Tutoring.

EDUCATION

Degree	Major	Institution	Graduation Year
Bachelor of Science	Applied Mathematics	North Carolina State University	2023
Bachelor of Science	Electrical Engineering	North Carolina State University	2024

UNDERGRADUATE COURSES

Mathematics of Scientific Computing	**Computer Systems Programming**
Linear Algebra	**Probability and Statistics for Engineers**

RESEARCH EXPERIENCE

Computational Biology Research Assistant, Sozzani Lab, North Carolina State University

Aug 2020 – present

Developed a Deep Neural Network to Predict the Activation Scores of Protein Sequences. Ran Neural Network Models on NC State's High-Performance Computing Cluster. Presented at the NC State Undergraduate Research & Creativity Symposium. **Presentation**