

Matthew Murray

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TECHNICAL SKILLS

Programming Languages: C, Python, MATLAB, R

Tools: Git, Elasticsearch, Excel, Kubernetes

Interests: Finance, Scientific Computing, Deep Learning, Data Visualization, Data Wrangling and 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 – Aug 2022

Technologies: Python, Django, Kubernetes, Git

Incoming Desk Deployment Intern, NVIDIA, Remote

Jan 2022 – May 2022

Technologies: Python, Kubernetes, Git

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

INVOLVEMENT

- Volunteer, We STEM Out Inc., Lumberton, NC, Spring 2014 to 2016
- Member of Sports Analytics Club at NC State from Fall 2018 to present
- Member of IEEE Web Development Team at NC State from Fall 2020 to present
- CODE2040 Finalist Fall 2021 to present
- Co-op Ambassador Fall 2021 to present

ADDITIONAL INFORMATION

- Interests: 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	2023

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

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](#)

Aug 2020 – present