Daniel Gleaves

Rock Hill, SC | 803-322-4144 | dgleaves@email.sc.edu

dagleaves.github.io | github.com/dagleaves | https://www.linkedin.com/in/dagleaves/

Education

University of South Carolina Honors College   **Columbia, SC**

College of Engineering and Computing   Expected Graduation: May 2024

Bachelor of Science in Computer Science   Cumulative 4.0 GPA

Honors and Awards

Merit Based Scholarships
- South Carolina Palmetto Fellows
- Dean's Scholar
- Presidential Scholar

Grants
- Magellan Scholar Award
- SC Honors College SURF Grant

Current Courses

Computer Science Coursework
- Computer Architecture
- Software Engineering
- Introduction to Deep Neural Networks

Lab Coursework
- Physics II

Experience

Undergraduate Research Assistant

January 2021 – Current

Undergraduate research assistant position with the Machine Learning and Evolution Laboratory to apply deep learning for material discovery

Extracurricular Activities

Association for Computing Machinery

September 2020 – Current

2020 and 2021 Code-A-Thon Division Winner

Our local chapter meets to present interesting ideas and concepts and hear from local entrepreneurs and business-owners.

Research Projects

Semi-Supervised Material Discovery

March 2021 – January 2022

I used a convolutional graph neural network and a semi-supervised learning framework to achieve state-of-the-art material stability classification performance

Continuous Learning

January 2022 – Current

I am using neuroscience-based principles to approach the problem of continuous learning with deep learning systems with a Hebbian learning rule-based output layer

Programming Languages

Proficient:
- Python
- x86 Assembly
- MIPS

Knowledge of:
- Java
- C++

Technologies

- PyTorch
- Git
- Linux
- Pandas
- Numpy
- Jekyll
- Docker