ADMI

Association of Computer Science Departments at Minority Institutions

SGCI

Science Gateways Community Institute

VOLTRON DATA

JSU JACKSON STATE UNIVERSITY
Computer Science @ JSU

MOREHOUSE COLLEGE

WINSTON-SALEM STATE UNIVERSITY

NORFOLK STATE UNIVERSITY

admiusa.org

sciencegateways.org

voltrondata.com

jsums.edu

morehousecollege.online

wssu.edu

nsu.edu

Summer 2022
Coding Institute

June 6 - July 1, 2022, VIRTUAL

The ADMI Coding Institute is focused on High Performance Computing development for undergraduate and graduate students. The program is presented as short tutorials alternated with practical exercises.

Week 1
On-boarding students; Develop non-technical skills and Basic Technical skills
- Unix commands
- GitHub
- Coding in Python with Jupyter Notebooks
- Professional Development Workshops

Week 2
Provide instruction on HPC using Python
- Intro to Scientific Computing, Computational Thinking
- Pseudo coding the SIR model
- Jupyter Notebooks
- Software Engineering and Design
- Containers - Flask and Redis

Week 3
Apache Arrow software ecosystem (Arrow, Ibis, dplyr)

Week 4
Student Projects with Apache Arrow software ecosystem

Selected Participants receive a stipend of $2,000.
Application can be found at: https://admiusa.org/