Ashley King

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Detail-Oriented Graduate student seeking Machine Learning, Data Science, or Software Engineering internships. Experienced with Machine Learning and Data Mining techniques, and currently a Graduate Intern at SAS Institute with experience in DevOps, testing, and CI/CD processes

Education

M.R. COMPUTER SCIENCE | EXPECTED: MAY 2023 | NORTH CAROLINA STATE UNIVERSITY

- Relevant Coursework: Automated Data Learning Analysis, Software Engineering

B.S. COMPUTER SCIENCE | MAY 2021 | APPALACHIAN STATE UNIVERSITY

- Relevant Coursework: Graduate Advanced Machine Learning, Graduate Data Mining, Statistical Data Analysis, Data Acquisition and Visualization, Database, Data Structures

Experience

GRADUATE INTERN | SAS INSTUTUTE | MAY 2021 - CURRENT

- Worked with the Solutions Factory team to assess product architectures to identify areas of improvement and potential test cases.
- Developed tests to validate SAS VIYA Deployments and containerized test suites using Docker
- Utilized Git, Jenkins, Python, Docker, and Azure.

YEAR-ROUND CYBER TEST ENGINEERING INTERN | SAS INSTITUTE | OCT 2020 – MAY 2021

- Automated building, and executing docker containers within Jenkins to reduce manual error
- Containerized Python projects using Docker for seamless integration within CI/CD Pipelines
- Utilized Git, Jenkins, Docker, JavaScript, Azure, and Cypress.

COMPUTER SCIENCE TA | APPALACHIAN STATE UNIVERSITY | JAN 2020 – MAY 2020

- Undergraduate TA for Data Collection and Visualization, and for a Graduate Data Programming class
- Taught students how to scrape information from websites and build effective data pipelines.
- Utilized Python, Selenium, and Pandas

PROJECTS

UNDERGRADUATE HONORS THESIS

- Completed an Undergraduate Honors Thesis titled "Poisson Matrix Factorization for T.V. Recommendations". The thesis proposed changed to an open-source Python library to enable PMF within SVD. A T.V. Recommendation System was then created, based upon scraped data from Reddit.

REDFIN HOUSING ANALYSIS

- Utilized Python to scrape data from Redfin, build meaningful visualizations, and create Machine Learning models to predict housing prices.

LANGUAGES AND TECHNOLOGIES

- **Languages**: Python, Java, C#, SQL, C/C++, JavaScript, R | **Technologies:** Git, Jira, Jenkins, Azure DevOps