Alexia Adams

EDUCATION

Georgia Tech, Atlanta, GA *Starting Fall 2025*
Masters of Analytics, Specialization in Computational Data Analytics

Cornell University, College of Engineering, Ithaca, NY *Expected May 2025*
Bachelor of Science, Major in Computer Science
Minors in Data Science and Information Science (Ethics, Law, and Policy)
GPA: 3.7 **Dean's List**: 2021 - Present
Coursework: Data Science | Data-Driven Web Applications | Learning Analytics | Computing Ethics | Designing Fair Algorithms | Machine Learning | Business Intelligence | Interactive Visualizations | Product Management | Natural Language Processing | Statistics | Object-Oriented Programming

PROJECTS

Animal Health Diagnostic Center Analysis, Business Intelligence *September 2024 – December 2024*
- Led a team to improve the operational efficiency of a non-profit organization
- Constructed a dimensional data model using Oracle and organized project documentation
- Designed visualizations using Tableau that revealed the price elasticity of small/large animal tests

CensoredBooks, Information Retrieval System *March 2024 – May 2024*
- Developed web scraping solutions via Python to extract features from 1,600 unique banned books
- Wrangled datasets and designed page layout for information retrieval website
- Earned an Honorable Mention from the Information Science Department at BOOM 2024

WORK EXPERIENCE

Research Assistant, Future of Learning Lab, Ithaca, NY *May 2024 – Present*
- Extracted data points on 25,000 public high schools across US to create a dataset and data dictionary
- Led collection of Common Data Sets for admissions analysis
- Improved front-end design and functionality for the Pathways website

Information Science Course Staff, Cornell University, Ithaca, NY *August 2023 – December 2024*
- Conducted weekly office hours to improve students understanding of Python, SQL, R, and JavaScript
- Bolstered students' abilities in data science, machine learning, website development, and visualizations

Data Engineering Intern, The Hartford, Hartford, CT *May 2024 – August 2024*
- Built an end-to-end ETL batch data pipeline for 250,000 records utilizing AWS, Snowflake, and Python
- Optimized Airflow DAG runtime by 25% through parallel refactoring
- Leveraged generative AI using AWS Bedrock to create an information retrieval system for legal topics

SKILLS

Python | R | HTML | CSS | JavaScript | SQL | GitHub | Visual Studio Code | RStudio | Jupyter Notebook | Snowflake | Apache Airflow | Agile Framework | AWS (S3, SageMaker, Batch, Bedrock) | Jenkins | Nexus | Microsoft Office | Google Workplace