

Alexia Adams

EDUCATION

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: 2021-2024

Coursework: Data Science | Data-Driven Web Applications | Learning Analytics | Computing Ethics |
Designing Fair Algorithms | Machine Learning | Probability | Statistics | Object-Oriented Programming

PROJECTS

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 the Information Science Faculty Award: Honorable Mention at BOOM 2024

Race and Higher Education Selectivity, Designing Fair Algorithms *February 2024 – May 2024*

- Analyzed research papers involving disparities in higher education admissions and outcomes
- Trained logistic regression models via Python to evaluate sensitive attribute performance on selectivity
- Organized data analysis and model performance into a report and presented key findings to colleagues

WORK EXPERIENCE

Undergraduate Research Assistant, Cornell University, Ithaca, NY *May 2024 – Present*

- Extract data points on 25,000 public high schools across US to create a dataset and data dictionary
- Spearhead the augmentation of a multi-college common dataset by locating and collecting data

Information Science Course Staff, Cornell University, Ithaca, NY *August 2023 – Present*

- Intro to Data Science (Fall 23, Spring 24), Visual Data Analytics for the Web (Fall 24)
- Conduct weekly office hours to improve students understanding of Python, SQL, R, and JavaScript
- Bolster students' abilities in core concepts in data science, machine learning, and website development

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

AI Initiative Intern, Cornell University Information Technologies, Remote *June 2023 – August 2023*

- Researched the impacts of generative AI on higher education and proposed educational alternatives
- Analyzed chatbot functionality and designs to create guidelines for the most effective practices

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