

# Mia Price

1520 6<sup>th</sup> Ave Troy, New York 12180  
513-807-2354 | pricem4@rpi.edu | mialprice.github.io

## EDUCATION

### Rensselaer Polytechnic Institute (RPI)

*Master of Science in Information Technology and Web Science*

Aug 2019 - Present  
Troy, New York

- Concentration: Data Science and Analytics
- Relevant Coursework: Data Analytics, Database Systems, Big Data Policies, X-Informatics, Software Development, Introduction to Machine Learning Applications, Business Issues for Engineers and Scientists

### Miami University

*Bachelor of Science in Bioengineering*

Aug 2015 – May 2019  
Oxford, Ohio

- Concentrations: Bioinformatics, Biomedical Engineering
- Relevant Coursework: Applied Statistics, Object-Oriented Programming, Data Abstraction and Data Structures, Intro to Statistical Modeling, Database Systems, Algorithms, Bioinformatics Computing Skills

## PROJECTS

### Determination of Song Genre Based on Song Attributes

*Rensselaer Polytechnic Institute, Data Analytics*

Aug 2019 – Dec 2019  
Troy, New York

- Investigated potential models to determine the genre of a song track based on numerous audio attributes
- Constructed support vector machines (SVM) and classification trees for genre classification
- Concluded that SVM model had an accuracy of 43% and the classification tree had an accuracy of 46% as a result of a heavily pop genre skewed dataset

### Analysis of Disney Privacy Policy

*Rensselaer Polytechnic Institute, Big Data Policy*

Nov 2019 – Dec 2019  
Troy, New York

- Analyzed Disney's privacy policy including its limitations and implications for an increasingly technological world
- Designed a mock data management plan in accordance with Disney's privacy policy

### Biological Synthesis and Industrial Scale-Up of Violacein in *E. coli*

*Miami University, Senior Design*

Aug 2018 – May 2019  
Oxford, Ohio

- Performed market analysis to investigate the viability of industrial scale-up
- Determined optimal media conditions to increase final titer and improve on project runtime
- Quantified bacterial extract to determine purity and improved process design to increase efficiency of extractions
- Evaluated ability of violacein to dye textiles while sustaining antimicrobial properties

## EXPERIENCE

### Teaching Assistant

*Rensselaer Polytechnic Institute*

Aug 2019 – Present  
Troy, New York

- Guided students in senior and graduate-level Data Science and Data Analytics courses
- Assisted in grading assignments and providing feedback for over 60 students

### Resident Assistant

*Miami University*

Aug 2016 – May 2019  
Oxford, Ohio

- Determined the needs of 120 residents in 3 consecutive years
- Coordinated 4 corridor and 4 all-hall programs per semester centered around the residential curriculum

## SKILLS

Programming: Java, Git, Matlab, Python (NumPy, pandas, scikit-learn, PyTorch), R, SQL  
Software: Anaconda, Command Line, Eclipse, Github, Google Drive, JetBrains, Matlab, Microsoft Office Suite, RStudio, Visual Studio Suite

## INVOLVEMENT

Theta Tau Professional Engineering Fraternity, Tau Delta Chapter

Feb 2017 – May 2019

Alpha Phi Omega National Service Fraternity, Zeta Delta Chapter

Aug 2016 – May 2019