

Mia Price

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EDUCATION

Rensselaer Polytechnic Institute

Master of Science in Information Technology and Web Science

Concentration: Data Science and Analytics

Troy, New York

Expected: May 2021

- Relevant Coursework: Data Analytics, Database Systems, Big Data Policies, X-Informatics, Software Development, Introduction to Machine Learning Applications

Miami University, College of Engineering

Bachelor of Science in Bioengineering

Major GPA: 3.28

Oxford, Ohio

Aug 2015 – May 2019

- Honors: Redhawk Excellence Scholarship
- Relevant Coursework: Applied Statistics, Object-Oriented Programming, Data Abstraction and Data Structures, Intro to Statistical Modeling, Database Systems, Algorithms, Bioinformatics Computing Skills

SKILLS

Programming: Java, SQL, R, Matlab, Python (NumPy, pandas, scikit-learn, PyTorch)

Software: Eclipse, JetBrains (DataGrip, PyCharm, IntelliJ), Anaconda, RStudio, Matlab, Visual Studio

PROJECTS

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

Miami University, Senior Design Project

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

Undergraduate Researcher

BRITE Research Experience for Undergraduates

May 2018 – Aug 2018

Boston University

- Utilized deep learning and convolutional neural networks to predict the location of primary mesenchyme cells (PMCs) in the scans of sea urchin embryos
- Developed a program in Python using PyTorch to implement and train a convolutional neural network to predict the location of PMCs

EXPERIENCE

Teaching Assistant

Rensselaer Polytechnic Institute

Aug 2019 – Present

Troy, New York

- Assist professor in daily operations of senior-level and graduate-level data science course
- Grade assignments and provide feedback for over 50 students
- Teaching Assistant for: Data Science, Data Analytics.

Resident Assistant

Miami University

Aug 2016 – May 2019

Oxford, Ohio

- Assessed and responded to the needs of over 100 residents in a span of 3 years
- Created, planned, and implemented 4 house and 4 all-hall programs per semester that centered around the residential curriculum (personal development, effective community engagement, intercultural understanding, academic success)
- Acted as a liaison between residents and Department of Residence Life
- Performed various administrative tasks including maintenance requests, incident reports, and room transfers

MEMBERSHIPS

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