Mia Price

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EDUCATION

Rensselaer Polytechnic Institute (RPI) Aug 2019 - Present
Master of Science in Information Technology and Web Science 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 Aug 2015 – May 2019
Bachelor of Science in Bioengineering 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 Aug 2019 – Dec 2019
Rensselaer Polytechnic Institute, Data Analytics 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 Nov 2019 – Dec 2019
Rensselaer Polytechnic Institute, Big Data Policy 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* Aug 2018 – May 2019
Miami University, Senior Design 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 Aug 2019 – Present
Rensselaer Polytechnic Institute 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 Aug 2016 – May 2019
Miami University 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, Brackets, Command Line, Eclipse, Github, Google Drive, Jetbrains, Jupyter Notebook, 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