

## Eric Niblock

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### Education

#### **Johns Hopkins University, Baltimore, MD**

Masters of Science, Data Science (Part-time, Virtual)

*Expected Graduation May, 2022*

#### **University at Buffalo, Buffalo, NY**

Bachelor of Science, Physics

Bachelor of Arts, Mathematics, Philosophy

GPA: 3.98/4.00

*Graduated May, 2020*

- UB Presidential Scholarship (2016-2020)
- Sekula Scholarship: outstanding performance in physics (2018, 2019)
- Experiential Learning Scholarship: support of independent research (2019)

#### **Amherst Central High School, Amherst, NY**

Graduation Rank: 3/187

*Graduated June, 2016*

- Scholar Athlete: Volleyball, Swimming, Tennis (2012-2016)

### Employment

#### **United States Department of Justice**

Lead Investigative Data Analyst/Scientist

*March, 2021 – Present*

- Spearhead the development of the data analytics/scientist role at DOJ Albany
- Investigate violations of federal law as well as threats to national security by use of analytics, AI, and machine learning. Hold a TS/SCI clearance.

#### **Mount St. Mary Academy, Buffalo, NY**

Interim Physics Teacher

*September, 2020 – October, 2020*

- Developed and taught a physics curriculum for high school students

#### **Independent Health, Buffalo, NY**

Actuarial Analyst Intern

*June, 2019 – August, 2019*

- Automated monthly expense forms using Python and SAS
- Analyzed product and vendor relations through a value-based reimbursement lens

#### **University at Buffalo, Buffalo, NY**

Data Science Researcher

*May, 2019 – Present*

- Use Python for simulations to examine the division of cognitive labor within communities of scientists. Employ tools from game theory, reinforcement learning, and data science

Quality Engineer, Indian Deccan

*January, 2019 – October, 2019*

- Traveled to India to gather various quality indicators to explore the functionality of ancient step-wells through statistical interpolation ([publication](#))
- Constructed an air quality monitor using a Raspberry Pi

Industrial and Systems Engineering Researcher

*May, 2018 – June, 2019*

- Employed Python and machine learning techniques to research the spread of misinformation through social media

Neuroscience Lab Technician

*February, 2017 – May, 2019*

- Analyze data using SAS to find statistical correlations between heart malfunction and NSAID use under the supervision of Dr. Satpal Singh (publication pending)

#### **Roswell Park Cancer Institute, Buffalo, NY**

Lab Technician

*October, 2015 – June, 2016*

- Studied e-cigarette composition and health effects (publication pending)

### Skills

Python, TensorFlow, HTML, PyTorch, Raspberry Pi, Microsoft Office, Machine Learning, Statistics, Calculus, SAS, Blender, Electrical Engineering, Numpy, Pandas

*References available upon request. Please visit my website to view my portfolio.*