Eric Niblock
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Education

Johns Hopkins University, Baltimore, MD *Expected Graduation May, 2022*
Masters of Science, Data Science (Part-time, Virtual)

University at Buffalo, Buffalo, NY *Graduated May, 2020*
Bachelor of Science, Physics
Bachelor of Arts, Mathematics, Philosophy
GPA: 3.98/4.00

- 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 *Graduated June, 2016*
Graduation Rank: 3/187

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

Employment

Federal Bureau of Investigation *March, 2021 – Present*
Lead Investigative Data Analyst/Scientist

- Spearhead the development of the data analytics/scientist role at FBI 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 *September, 2020 – October, 2020*
Interim Physics Teacher

- Developed and taught a physics curriculum for high school students

Independent Health, Buffalo, NY *June, 2019 – August, 2019*
Actuarial Analyst Intern

- 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 *October, 2015 – June, 2016*
Lab Technician

- 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.