Eric Niblock
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Education

University at Buffalo, Amherst, NY   *Expected Graduation May, 2020*
    Bachelor of Science, Physics
    Bachelor of Arts, Mathematics, Philosophy
    GPA: 3.97/4.00
- UB Presidential Scholarship
- 2018/2019 Sekula Scholarship: outstanding performance in physics (awarded twice)
- 2019 Experiential Learning Scholarship: support of independent research

Amherst Central High School, Amherst, NY   *Graduated June, 2016*
    Graduation Rank: 3/187
- Scholar Athlete: Volleyball, Swimming, Tennis (2012-2016)

Employment

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
    Experimental Philosophy 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

    Residential Education Tutor   *January, 2017 – Present*
    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 pending)
- 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)

    Honors Colloquium Teaching Assistant   *January, 2018 – May, 2018*
- Developed lesson plans and taught honors students in a class related to social issues and the role of government and media

Roswell Park Cancer Institute, Buffalo, NY
    Lab Technician   *October, 2015 – June, 2016*
- Apprentice to Dr. Maciej Goniewicz and Mr. Noel Leigh
- Studied e-cigarette composition and health effects (publication pending)

Town of Amherst Recreation Department, Amherst, NY
    Tennis Instructor   *Summers, 2015-2018*
- Educate and enthuse children age 6-16 on the basics of tennis

Independent Research

    Currently I work with Python and TensorFlow to study local traffic behavior using convolutional neural networks and object recognition (RetinaNet)

References available upon request