Joe Stephenson
Software Engineer - Employed
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Professional Experience

Software Engineer - Data Visualization | XchangeWorx - Albany, NY - March 2020 to Present
- Working as a Software Engineer - Data Visualization on the Data Quality and Visualization team
- Built front-end components integrating Apple Health with the Health Information Exchange of New York.
- Primary developer redesigning an angularjs direct-to-consumer patient portal
- Working on smart on fhir applications providing patients direct access to the healthcare data.

Junior Software Engineer | XchangeWorx - Albany, NY - June 2019 to March 2020
- Junior Softare Engineer at the health information exchange covering Eastern New York and Southern Vermont.
- Designed data normalizations for regional health organizations enabling bidirectional patient data feeds.
- Developed extensive knowledge of the EMR ecosystem as well as health information exchange standards.
- Awarded professional certifications in SQL and ObjectScript from InterSystems in Cambridge, MA.

Research Fellow | Sanger Research Program - Beloit, Wi - May 2018 to January 2019
- 2018 Endowed Sanger Scholar studying the forecasting strategies adopted by neural networks.
- Programmed stacked convolutional and gated recurrent neural networks to predict market behavior.
- Created large dataset of financial instruments at minute intervals by automating various financial APIs.
- Presented research findings at the 2018 Wisconsin Economic Association's Conference.

Marketing Research Intern | Kerry - Beloit, Wi - Spring Semester 2018
- Forecasted consumer flavor preferences in the U.S. using both big data and qualitative analytics.
- Examined the influence of international flavor preferences on domestic consumer preferences.
- Worked along side flavor scientist to discuss symmetries between lab capabilities and market preferences.
- Created a library to visualize patterns and errors in a previous annual forecasts.

Teaching Assistant | Beloit College Department of Economics - Beloit, Wi - August 2017 to December 2018
- Teaching Assistant for Dr. Jermaine Moulton - assisting an advanced marketing research workshop.
- Teaching Assistant for Dr. Bob Elder - assisting an introductory quantitative economics class.
- Worked one-on-one with students, holding weekly office hours to review class material.
- Learned lifelong skills in breaking down complicated ideas in intuitive and simple ways.

AmeriCorps Member | AmeriCorps - Summer 2016 and Summer 2017
- 2016 AmeriCorps summer service as a camp counselor to people with disabilities - Easter Seals in Wisconsin
- 2017 Americorps summer service as a construction worker - Rebuilding Together in North Carolina.

Education

Beloit College | Major: Economics; Minor: Physics - Beloit, WI. - 2015 to 2019
- GPA - Major: 3.32 / 4.00 - Advanced coursework in mathematics, physics, computer science, and economics.
- Captain of Beloit College Swim and Dive - Three Years | Director of Beloit College Programming Board - One Year.