Edward R. Schembor

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Education

JOHNS HOPKINS UNIVERSITY, 2012 – Present, B.S Computer Science

- Minors in Applied Mathematics & Statistics and Physics
- Relevant CS Courses: Data Structures, Automata Theory, Distributed Systems, Object-Oriented Software Engineering*, Parallel Programming*, Algorithms* (* represents a course taken at the graduate level)
- Relevant Quantitative Courses: Differential Equations, Linear Algebra, Probability & Statistics, Multivariable Calculus, Special Relativity and Waves, Lagrangian Mechanics
- Beta Theta Pi Fraternity – Community Service Chair, Webmaster

RED BANK REGIONAL HIGH SCHOOL, 2008 – 2012

- **SAT: Math –** 780 **Reading** – 720 **Writing** – 750 **Total** – 2250
- Performed research on fractal use in disaster prevention civil engineering.

Work Experience

AMAZON.COM, Software Development Engineer Intern, May 2015 – August 2015

- Worked on the Elastic Machine Learning Platform team.
- Developed a feature which scraped features from internal machine learning training/prediction requests and then used the existing machine learning tools to predict the training time for models and runtime for batch predictions/evaluations. The feature is currently in production.

WORLDQUANT LLC, Research Consultant, September 2014 – May2015

- Researched quantitative trading strategies for statistical arbitrage.
- Implemented said trading strategies in Python with the NumPy package and further matured them through In-Sample/Out-Sample testing.

BANK OF NEW YORK MELLON, Technology Summer Associate, May 2014 – August 2014

- Worked in the Infrastructure, Architecture, and Engineering Labs.
- Worked on a log monitoring system in Splunk, relying heavily on regular expressions.
- Used the graph database Neo4j to show dependencies between BNY Mellon infrastructure components in order better facilitate recovery in cases of failure.
- Led a project developing a social graph of BNY Mellon's internal social media platform, using the Neo4j graph database.

SPACE TELESCOPE SCIENCE INSTITUTE, Research Intern, May 2013 – October 2013

- Performed research involving changes in the morphologies of early type galaxies in the AEGIS Survey dataset. Created Python scripts to analyze relevant astronomical data and process galaxy images from the survey.

Awards and Recognition

- JHU Dean's List (GPA >= 3.5) – Spring 2014, Fall 2014
- JHU Greek Life Community Service Award – 2014
- 11th Place – WorldQuant,LLC Statistical Arbitrage Competition – North American Region - 2014

Relevant Skills

Programming Languages: C/C++, Java, Python
Experience With: HTML, CSS, SQL, UNIX, JUnit, Neo4j, Git, TCP/IP, Spark, Map/Reduce, Mockito, AWS DynamoDB, AWS S3, Machine Learning, Distributed Systems