Edward R. Schembor

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Education

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

Cumulative GPA: 3.09/4.0; **Major GPA:** 3.15/4.0

- Minors in Applied Mathematics & Statistics and Physics
- Relevant CS Courses: Data Structures, Automata Theory, Distributed Systems*, Object-Oriented Software Design* (* represents a course taken at the graduate level)
- Relevant Analytical Courses: Differential Equations, Linear Algebra, Multivariable Calculus, Special Relativity, Quantum Mechanics
- JHU Dean's List (GPA >= 3.5) – Spring 2013
- Beta Theta Pi Fraternity – Community Service Chair, Webmaster
- JHU Greek Life Community Service Award – 2013
- Association for Computing Machinery

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
- US Naval Research Laboratory Research Award - North Jersey Regional Science Fair
- 3rd Place for Mathematics/Computer Science Research – North Jersey Regional Science Fair

Work Experience

BANK OF NEW YORK MELLON, Technology Summer Associate, Summer 2014

- Worked in the Infrastructure, Architecture, and Engineering Labs
- Worked on a team consisting of employees from VMWare, Redhat, and BNY Mellon to create a proof-of-concept Openstack-based cloud solution for BNY Mellon.
- Worked on developing 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 for CIO Suresh Kumar developing a social graph of BNY Mellon's internal social media platform, again using the Neo4j graph database.

SPACE TELESCOPE SCIENCE INSTITUTE, Research Intern, Summer/Fall 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.
- Invited to join the international Cosmic Assembly Near-Infrared Deep Extragalactic Legacy Survey (CANDELS) Team and worked classifying galaxies and helping to review papers. Was the first undergraduate to join the team.

Relevant Skills and Interests

Significant computer skills: C/C++, Java, Python

Experience With: HTML, CSS, SQL, UNIX, JUnit Testing, OpenStack, Neo4j