

JONATHAN H. REDWINE

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EDUCATION

Boston University

Boston, MA

Candidate for Master of Science in Computer Science

Target Completion: December 2019

Relevant Courses:

Cumulative GPA: 3.86/4.0

- *Software Engineering, Computer Language Theory, Operating Systems, Computer Networks, Data Structures with C++, Discrete Mathematics, Analysis of Algorithms, Biometrics, and Foundation of Analytics in R*

Bucknell University

Lewisburg, PA

Bachelor of Science in Physics

Graduated: May 2016

Minors: Mathematics and Computer Science

GPA: 3.30/4.0

- Dean's List: *Fall '12, Spring '13, and Spring '15*

Relevant Courses:

- *Advanced Classical Mechanics, Thermodynamics and Statistical Mechanics, Quantum Mechanics, Electromagnetic Theory, Applied Electronics, Computer Simulation in Physics, Software Engineering and Design, and Probability*

EMPLOYMENT

Wolf, Greenfield & Sacks, P.C.

Boston, MA

Technology Specialist

August 2016 – July 2018

- Member of the Electrical and Computer Technologies group
- Worked with attorneys in representing clients in front of the USPTO
- Met with inventors to gain an understanding of their technology and form plan for patent application
- Drafted provisional and utility patent applications
- Wrote responses to Office actions

MIT Computer Science and Artificial Intelligence Laboratory

Cambridge, MA

Undergraduate Researcher

June 2015 – August 2015

- Designed simulations using MATLAB to mimic the formation of the protein capsid of a virion
- Analyzed the behavior of drugs that bind to individual virus capsid proteins to determine the efficacy of these proteins as an antiviral target

MIT Laser Interferometer Gravitational Wave Observatory

Cambridge, MA

Undergraduate Researcher

June 2014 – August 2014

- Designed and assembled printed circuit boards using Altium
- Constructed functioning amplifier capable of incorporation into various experiments

TECHNICAL SKILLS

Proficient in: Python, C, C++, Java, MATLAB, R, Swift, Mathematica, Microsoft Office, Unix

Experience with: JavaScript, SQL, Altium