

# 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: 3.76/4.0

- *Cryptography, Artificial Intelligence, Software Engineering, Computer Language Theory, Operating Systems, Computer Networks, Discrete Mathematics, Analysis of Algorithms, Biometrics, Data Structures with C++, and Foundation of Analytics with 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:** JavaScript, Node.js, Socket.IO, C++, C, Python, Java, HTML, CSS, MATLAB, R, Mathematica, Unix

**Experience with:** SQL, Postgres, React, Swift, Altium