# JONATHAN H. REDWINE

jredwine1@gmail.com   |   (781) - 454 - 6175   |   59 Emerson Street, Boston, MA 02127

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

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

**MIT Computer Science and Artificial Intelligence Laboratory**                Cambridge, MA
*Undergraduate Researcher*                                        June 2015 – August 2015
- o Designed simulations using MATLAB to mimic the formation of the protein capsid of a virion
- o 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
- o Designed and assembled printed circuit boards using Altium
- o 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, Swift, Altium