

RELEVANT EMPLOYMENT

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| Cyber Security Intern | Raytheon BBN Technologies | Summer 2017 |
| <ul style="list-style-type: none">• Wrote Java applications containing side-channel and algorithmic complexity vulnerabilities to be used as sample/challenge programs to aid in the development of code analysis tools. | | |
| Course Assistant and Grader | BU Department of Computer Science | Fall 2016 |
| <ul style="list-style-type: none">• Answered questions about homework assignments, practice problems, and course topics online and in office hours• Graded written assignments and students' code. | | |
| IT Intern | International Fund for Animal Welfare | June 2013 – September 2014 |
| <ul style="list-style-type: none">• Wrote automation scripts to speed up common tasks• Created instructional material to aid users. | | |

EDUCATION

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| Boston, MA | Boston University | Fall 2015 – May 2019 |
| <ul style="list-style-type: none">• Joint BA and MS in Computer Science, Expected May 2019. Cumulative GPA: 3.96, In-major GPA: 4.0• Relevant coursework: Data Structures, Computer Systems, Advanced Software Systems, Software Engineering, Algorithms, Network Security, and Operating Systems. | | |

TECHNICAL EXPERIENCE

Projects

- **Twitter Harassment Detector** (2016). Won the "Hack Harassment" prize at HackHarvard. Website to analyze your Twitter mentions and block users who have sent you offensive or inflammatory tweets. Python, Flask
- **Internet of Things Trebuchet** (2016). Created an internet-controlled trebuchet with a Raspberry Pi, a camera, and a few motors. Created a web server in C and a web interface to control the trebuchet.
- **Cyber-Security Wargame Site** (2016). Developed a website to host cyber-security challenges for the cyber-security club at my school. Also developed exploitable services to use as challenges on the site. Python, Flask, HTML, CSS, Bootstrap

LANGUAGES AND TECHNOLOGIES

- Python, C, Java, IA-32/IA-64 Assembly, C#, HTML, JavaScript
- Experience with various OS environments: Windows (including programming against the Windows API), and Linux (including programming against POSIX interfaces)
- Experience in cyber security: Web security, binary exploitation, cryptography, finding bugs/vulnerabilities in code, writing secure code.

EXTRACURRICULAR ACTIVITIES

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| Vice President of BUILDS (Makerspace/Hackerspace) | Spring 2016 – Present |
| Secretary of BUILDS | Fall 2015 – Spring 2016 |
| <ul style="list-style-type: none">• Organized events, workshops, hackathons, and recruited new members.• Managed club property including our website, servers, 3D printers, and network. | |
| Member of BU High Performance Computing | Fall 2015 – Present |
| <ul style="list-style-type: none">• Compiled and optimized scientific applications to make them run faster and at lower power levels on HPC clusters• Placed in the top 16 teams world-wide for ASC'16 and top 12 teams for ISC'16 | |
| Captain of the OxBU Cyber-Security Club | Spring 2017 – Present |
| Member of the OxBU Cyber-Security Club | Fall 2015 – Spring 2017 |
| <ul style="list-style-type: none">• Competed in 40+ cyber-security CTF competitions• Solutions for some challenges I've solved can be found at https://github.com/xPowerz/CTF-Writeups | |