

# OHAD KATZ

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## EDUCATION

**SUNY, University at Buffalo | August 2015 - May 2019**

Degree: Computer Science B.S

GPA: 3.4

## EXPERIENCE

**Center for Computational Research | May 2018 - August 2018**

- Programmed an extension of C based benchmarks to improve testing of HPC's. Fully automated and updated 3 out of 7 HPCC benchmark tools using Bash and Python scripts.
- Used these new benchmarks to research and present on how malware patches effect CPU performance, specifically after Meltdown and Spectre exploits.
- Research paper presented at SC18, an international HPC conference.

**UB Network Defense | January 2018 -**

- Cyber Security Independent Study that allows students to learn real world security practices
- Built a simulated 8 node corporate infrastructure in VMware split into a LAN and DMZ with a central pfSense firewall router controlling them. The LAN consisted of a Linux Client and 2 Windows machines (Active Directory and a client), and the DMZ housed a Linux LAMP Stack.
- Advanced into a leadership position in which I teach students system security principals, specifically firewalls used in pfSense, Linux and Windows.
- Helped maintain upwards of 60-100 virtual machines created in vCenter for students to work on projects.

## PROJECTS

**Symphoni Web Application | September 2018 -**

- Designed a responsive single page web application in React.JS which allowed users to request and vote on music in a Spotify queue to decide what song will be played next.
- Weekly meetings with non technical associates allowed me to explain my methodology in a simple and concise manner, while daily stand ups with my team allowed us to verify that our board was up to date and that the team was on the same page.
- Utilized a strict agile development using Zenhub to manage our project.

## COMPETITIONS/LEADERSHIP

**CCDC (Collegiate Cyber Defense Competition) | January 2019 - February 2019**

- Tasked with defending and hardening a Windows Admin Center server, controlling both Active Directory and DNS. Installed and tested Splunk and Splunk forwarders on various operating systems.
- Utilized a variety of internal Windows tools such as PowerShell, SysInternals and Windows Defender.

**ISTS (Information Security Talent Search) | January 2019 - February 2019**

- Leadership position in which I was tasked with being team captain for a large scale defensive and offensive Cyber Security Competition.
- Tasked with designating machines and providing resources for students participating
- Allowed me the chance to explore next generation firewalls, specifically from Palo Alto Networks.

**UB Lockdown/UB Lockdown for High School | January 2018 -**

- Designed a Cyber Security Competition designed to allow students to defend a simulated corporate infrastructure against multiple attackers on both Linux and Windows clients, as well as cloud servers.
- Worked as a Red Team penetration tester to design and deploy various backdoor and exploits on Linux machines, utilizing Bash and Python scripts to deploy them.
- Created a high school version of the competition focused on engaging and teaching students about the field of cyber security.