

# JOHN BOMBA

Cyber Security Professional

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## TECHNICAL SKILLS

Languages: Python, Bash, SQL, HTML

Operating Systems: Kali, Ubuntu, Windows

Databases: SQL, SQLite3, mysql

Tools/Software: Metasploit, Nmap, Wireshark, Github

Skills: Web Exploits, NumPy, Jupyter Notebook, Splunk,

Snort, Firewalls, IDS, IPS, Threat Modeling,

Active/passive Information Gathering

## Certifications:

CompTia Certifications: PenTest+, CySA+, Security+, CASP, CNVP, CNSP

OSCP expected Sept. 2020

## TECHNICAL PROJECTS

### June 2020 - Security Innovation CMD+CTRL Cyber Range CTF, June 2020

- First place out of 15 teams. Used burp, custom scripts, and other red team techniques

### Rakhat - <https://github.com/johnbomba/rakhat>

- A network of deliberately vulnerable virtual machines designed to simulate a penetration testing environment using a multitude of common exploits
- Built two virtual machines from scratch using an outdated version of ubuntu with vulnerable binaries

### Blockchain Multi Factor Authenticator - [https://github.com/johnbomba/two\\_factor](https://github.com/johnbomba/two_factor)

- Created a blockchain-based two-factor authentication system, using Python, Bash, OpenSSL and Multichain

### WiFi Crypto Miner - [https://github.com/johnbomba/wifi\\_m](https://github.com/johnbomba/wifi_m)

- Created a crypto-currency mining system for open WiFi networks where users could dedicate a percentage of their processing power to “pay” for internet access. Used Python, bash, MITMproxy, Ettercap, Coinhive JS miner

## PROFESSIONAL EXPERIENCE

### May 2019 - Mar 2020 Byte Academy, Teaching Fellow

- Reinforced lessons and conduct code review of students exercises and project work
- how many students, tech stack, etc
- Provided feedback on syllabus, coursework and exercises to school administrators
- Created and presented lectures for students on SQL injection and password security

### 2012 – 2018 THE CORCORAN GROUP/PLATINUM PROPERTIES, Licensed Real Estate Salesperson

- Educated both buyers and sellers in the intricacies of the NYC real estate market
- Priced properties for sale in a manner to best facilitate the goals of clients

### 2006 - 2010 GOLDMAN SACHS, VP, Equity Division; NYSE Specialist

- Traded ADRs, REITs and Equities, managed risk in over a dozen stocks
- Coordinated with developers to test and optimize proprietary algorithms
- Provided tech support for other specialists on the floor

### 2003 – 2006 KELLOGG SPECIALISTS, ETF Trader

- Selected for transfer to the NYSE from the AMEX to help build Kellogg’s ETF Specialist Unit
- Hedged positions, managed risk with baskets of equities and futures, and developed pricing models

## EDUCATION

### April - July 2020 Fullstack Academy Cyber Bootcamp, Student

- 17 week intensive Cyber security program covering both red and blue team technical skills

### Jul - Nov 2018 Byte Academy Full-Stack Python Bootcamp, Student

- Skills included Python, Blockchain, Git, SQL, Flask, Javascript, and ORM concepts

Brooklyn College - Major: Computer Engineering

Online Courses - Penetration Testing, Linux Security and Hardening, Linux administration, Bash Scripting