

Zhongyang Zhu

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Education

New York University

Aug 2016 – May 2020 | New York, NY

B.A. Computer Science (3.4/4.0), Cybersecurity Minor

Activities: NYU Pi Delta Psi Fraternity, Inc. (Webmaster, President of Alpha Pi class, PR Manager), NYU JV Quidditch (Chaser)

Technical Proficiencies

Programming Languages: Python, Java, C, Javascript (+NodeJS), Bash

Certifications: Security+

Tools: Checkmarx, Rapid7 AppSpider, Burp Suite, Tenable, Splunk, Resilient, ServiceNow, Wireshark

Security Skills: Vulnerability Analysis & Management, Scripting/Automation, SAST & DAST, Fuzzing, Phishing (Creation & Remediation), Penetration Testing, SIEM

Experience

Application Security Consultant

Verisk | Jersey City, NJ | Oct 2019 – Present

- Created, deployed, and managed a software assurance maturity model across a global insurance player and its 80+ member companies, enabling quantification and metrics of application security
- Helped design Incident Response workflows in ServiceNow, which automated parts of the IR process to increase efficiency and productivity for SOC security analysts
- Performed static and dynamic vulnerability scanning for web applications and APIs, reviewed code in aforementioned vulnerabilities, and created reports and solutions for development teams
- Performed penetration testing against different WAF candidates, including AWS rulepacks and Incapsula, to select a product to protect Verisk web applications
- Spearheaded a project to strengthen Verisk's external attack surface, utilizing vulnerability management tools and OSINT, resulting in the patching of recurring critical vulnerabilities
- Developed various in-house scripts, e.g. one to parse Checkmarx SAST scans, using Checkmarx API, and automating the process of identifying application security policy violations

Cybersecurity Developer Intern

IBM | Research Triangle Park, NC | Jun 2019 – Aug 2019

- Automated majority of IBM's asset vulnerability publication process (*PSIRT*) by developing a REST handshake between ServiceNow and Content Management Systems (Drupal and WordPress)
- Developed in an Agile team, presenting biweekly deliverables to executives and stakeholders

Computer Support Technician Assistant

NYU Tisch School of the Arts | New York, NY | Jun 2018 – Mar 2019

- Deployed and troubleshooted computer software and hardware across school campus, working extensively with both Windows and Mac operating systems and applications
- Managed service desk and responded promptly and efficiently to user ticket queues, emphasizing clear communication to users with various levels of technical knowledge

Projects

Twitter Chatbot | Oct 2018 – Dec 2018

- Created a chatbot (Python) that would attempt to mimic Twitter personalities based on Tweets, scraped using Twitter APIs and JSON
- Designed and implemented the core logic of the chatbot's behavior, mainly using the Markov model

Watson Dermatological Condition Identifier | Jul 10-12, 2019

- Developed an application that would utilize machine learning (OpenCV) to identify skin conditions

Additional Skills & Interests

- Interested in IoT devices security-wise. Misc. interests: Weightlifting, E-sports, Cars, Quidditch.