

Zhongyang Zhu

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Education

New York University

Aug 2016 – May 2020 | New York, NY

B.A. in Computer Science (3.45/4.0), Cybersecurity Minor

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Natural Language Processing, Information Security, Application Security, Full Stack Development

Activities: NYU Pi Delta Psi Fraternity, Inc. (President of Alpha Pi class, PR Chair, Multicultural Relations Chair, Webmaster)

Work Experience

IBM

Jun 2019 – Aug 2019 | Research Triangle Park, NC

Cyber Security Developer Intern

- Integrated ServiceNow platform with third-party Content Management Systems, specifically Drupal and WordPress, to streamline and automate the IBM asset vulnerability publication process (*PSIRT*).
- Developed REST APIs to create a secure handshake between ServiceNow platform and CMSes, implementing a centralized hub for data input and allowing for direct posting of user content to aforementioned CMSes. Utilized JavaScript to connect ServiceNow APIs and Drupal APIs.
- Collaborated with two other interns in an Agile methodology-driven team to meet set deadlines and expectations, produce the deliverables, and create weekly presentations to executives and managers.

NYU Tisch School of the Arts

Jun 2018 – Mar 2019 | New York, NY

Computer Support Technician Assistant

- Deployed and troubleshooted computer software and hardware. Worked with both Windows and Mac OS.
- Managed machines securely within the network by providing assistance while abiding by security principles.
- Managed service desk and responded promptly to user tickets using the ServiceNow platform. Emphasized and maintained clear communication between our department and the end user.

SeeBeNow Technologies Inc.

Jun 2018 – Aug 2018 | New York, NY

Marketing Developer and Data Analyst Intern

- Set up and optimized data analytics platforms, such as Google Analytics, Apple Analytics, Vimeo, and Stripe.
- Created custom Google Analytics dashboard to simplify gathering and observation of data on user acquisition and retention. Also streamlined data gathering process by congregating data from multiple sources.
- Increased traffic to company website by creating Google Ads campaigns and suggesting and implementing SEO methods, resulting in up to a 40% increase in daily traffic while campaigns were active.

Projects

Twitter Chatbot

Oct 2018 – Dec 2018 | CSCI-UA 400: Natural Language Processing

- Worked in a team of three to design a Twitter-based chatbot in Python, which would parse through a Twitter user's history of tweets using Twitter's API to build its vocabulary and automatically generate Tweets.
- Designed and implemented the core logic and algorithms of the chatbot's behavior when generating Tweets, utilizing NLP techniques such as the Markov model. Also utilized libraries such as SciPy and Pickle.
- Organized the chatbot's dictionaries and datasets to model simple machine learning by parsing and saving both a Twitter user's history of Tweets and the chatbot's own generated Tweets in semi-real-time.

Watson Dermatological Condition Identifier

Jul 10-12, 2019 | IBM Future Blue Connect Hackathon

- Developed a Python program, alongside a team of seven, that utilized IBM Watson and machine learning to identify skin conditions based on user submitted pictures. Also utilized Flask.
- Trained program using OpenCV and images of skin conditions, such as ringworm and sunburn. The Identifier had a 97% accuracy rate, being able to identify false positives and also pure negatives.

Skills & Interests

- **Programming:** Java, Python, C, NodeJS, JavaScript
- **Technologies:** Windows, Unix (MacOS), Linux
- **Interests:** IoT, Quidditch, E-sports, Chinese Hip-Hop, Weightlifting