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

Projects

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

- Worked in a group 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.

Work Experience

NYU Tisch School of the Arts   Jun 2018 – Present | **New York, NY**

Computer Support Technician Assistant

- Set up 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.
- Wrote a PowerShell script to silently uninstall programs from computers in the network, with the goal being the script deployed to all users in the domain while not interrupting daily work.

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, for a yoga content developer start-up.
- Created custom Google Analytics dashboard to simplify gathering and observation of data on user acquisition and retention. Also streamlined data gathering process by exporting analytics from multiple platforms to Excel spreadsheets and organizing these spreadsheets for simplicity.
- Increased traffic to company website by creating Google Ads campaigns and suggesting SEO methods, resulting in up to a 40% increase in daily traffic while campaigns were active.
- Utilizing Mailchimp, improved customer relations and retention by segmenting audiences based on various criteria, such as email open rate, and then creating separate email campaigns targeting these segments. This provided a more personal experience for our customers.

Columbia University Medical Center   Jul 2015 – Jul 2017 | **New York, NY**

Immunogenetics Lab Intern

- Restructured and organized patient databases using Excel, assuring convenient identification and management of medical records and other information.

Skills & Interests

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