







Danlin (Zacks) Shen

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EDUCATION & CERTIFICATIONS

Northeastern University	Boston, MA, USA
Candidate for <i>Master of Analytics</i>	Present - 6/2020
Nanjing University of Posts and Telecommunications	Nanjing, China
Bachelor of <i>Communication Engineering</i>	9/2013 - 7/2017
Cisco Certified Internetwork Expert R&S #48775	Tokyo, Japan

PROFESSIONAL SKILLS

Programming Languages: Python, R, Shell

- Proficiency with Python & R in object-oriented programming and data science, e.g., data cleansing, data mining, and machine learning.

Visualization: plotly, Tableau, ggplot2, RShiny

- Experience with visualization related packages in Python & R, and familiar with Tableau.

Statistics/Algorithms: Statistics, Modeling, Regression, Data Mining, Machine Learning

- Experience using statistics to analyze data, modeling, and visualization.

Database: MySQL, Amazon RDS

- Familiarity with SQL database operations through CLI or Python.

Cloud Computing: AWS CSAA (Preparing), VMware vSphere, OpenStack

- Proficiency in Cloud Computing, and familiar with AWS related services and tools.

OS: Amazon Linux, CentOS, Ubuntu

Internetwork: Cisco Related Products

Office Suites: Excel, Git, Markdown, Final Cut Pro

Languages: English, Chinese

EXTRACURRICULAR ACTIVITIES

Presentation for Boston Mayor's Office & BOS:311 3/2020

- Analyzed the BOS:311 dataset and built an interactive animation data map in Python.
- Developed a Python program to simulate the BOS:311 background system. And developing new functions to improve system efficiency and reduce the staff workload.
- Led the team in constructing the blueprint of the program and building a chatbot based on Amazon Lex.

Suggest an AWS solution for Medical Startups: <http://us.zacks.cloud>, <http://eu.zacks.cloud> 3/2020

- Set up flexible, strong, and cross-nation connected VPCs.
- Created security groups for information security.
- Built EC2 instances and RDS with Elastic Load Balancer and High Availability (please refresh each web page).

Build a technology blog and continuously update: <https://zacks.one> 2019 - Present

Justech Internetwork Club 2015 - 2017

President

- Taught network technical courses, such as Network and Linux.
- Helped alumnus job hunting including modify resumes and prepare interviews.
- Organized club routine activities.

INTERN EXPERINCES

DBAPP Security CO., LTD (Stock Code 688023)

Security Service Engineer Internship 12/2016 - 3/2017

- Conducted penetration testing for customers' websites and databases, and issued the safety assessments.
- Served main customers: Well-known banks, brokers, and universities.

Operations Engineer Internship 11/2016 - 12/2016

- Constructed and maintained Zabbix to oversee the status of several server clusters.
- Safeguarded the WEB security service named DBAPPWAF.

Beijing Gehua CATV Network Co., LTD (Stock Code 600037)

Network Engineer Internship 7/2016 - 8/2016

- Built up VPN and LDAP to connect intranet to extranet safely.
- Compiled JAVA program to transfer large files in intranet.