Eric Zhang

(410)736-9987

6126 140th CT NE, Redmond, WA 98052

ericzhangworking@gmail.com

https://github.com/DreamOfTheRedChamber

WORK EXPERIENCE

Software Engineer II, Backend

Microsoft, Redmond, WA *May 2017 - Present*

- Decomposed monolithic app into microservices and owned mission critical authorization service.
- Built high leverage libraries to enhance resiliency and performance in large volume distributed systems.
- Migrated Teams database between different Azure environments to achieve better security and compliance.
- Conducted A/B testing to launch growth feature including Teams freemium and trial license.

Software Engineer

OpenText, San Mateo, CA *October 2015 - April 2017*

- Implemented column-based report data source compression for top level Eclipse open source project BIRT, resulting in a 16% less data than original row-based compression on average (Java).
- Enhanced gantt charts exporting features for HTML5 with Javascript and Highcharts.
- Developed integration testing with Maven and Selenium for report war files on embedded Tomcat server.

Software Development Intern

Financial Industry Regulatory Authority (FINRA), Rockville, MD *May 2014 - August 2014*

- Developed a Role Permissions Compliance System on AWS, which was later featured in AWS re:Invent 2015.
- Created Python scripts to fetch permission settings from AWS IAM and compared with benchmarks in S3.
- Integrated with Splunk and AWS CloudTrail to automate the process of daily/monthly security checking, leading to a 13.5% reduction in AWS billing line items in 1 month.

Research Assistant (Multimedia processing)

National Engineering Lab of Speech and Language Information Processing, Hefei, China *March 2012 - July 2013*

EDUCATION

University of Maryland, College Park *Feb 2019 - Present*

Master of Professional Studies in Technology Entreprenuership

Johns Hopkins University *September 2013 - May 2015*

Master of Science in Information Security

University of Science and Technology of China *August 2009 - July 2013*

Bachelor of Engineering in Computer Science

PUBLICATIONS

Automatic Tag Saliency Ranking for Stereo Images

- Yang Cao, Kai Kang, **Shijie Zhang**, et al. *Neurocomputing, 2015*

Underwater Stereo Image Enhancing Using a Physical Model

- **Shijie Zhang**, Jing Zhang, et al. *ICIP, 2014*

A Novel Segmentation-based Video Denoising Method with Noise Level Estimation

- **Shijie Zhang**, Yang Cao, et al. *MMM, 2013 (Oral) & Invited to Information Sciences, 2014*