

# Shijie(Freeman) Zhang

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Homepage

<https://freemanzhang.ghost.io>

SlideShare

<http://www.slideshare.net/ShijieZhang2>

Github

<https://github.com/FreemanZhang>

## EDUCATION

### Johns Hopkins University

Master of Science in Information Security

September 2013 - May 2015

### University of Science and Technology of China

Bachelor of Engineering in Computer Science

August 2009 - July 2013

## SKILLS

**Languages:** Proficient( Java ), Prior Experience( Python, Ruby, Go, SQL )

**Others:** Maven, Docker, RabbitMQ, Rails, JUnit, ElasticSearch

## WORK EXPERIENCE

### BackEnd Software Engineer ( Java, Maven )

Actuate is now OpenText, San Mateo, CA

October 2015 - present

- Maintained software on a daily basis and implemented unit/integration tests
- Gave four tech talks on **Java 8, Amazon Web Services, Spark Core & SQL, ElasticSearch**

### Software Development Intern ( Python, Splunk, AWS CloudTrail and IAM )

Financial Industry Regulatory Authority (FINRA), Rockville, MD

May 2014 - August 2014

- The system featured in FINRA's presentations in *Splunkconf. 2014* and *AWS re:Invent 2014*
- Built a role based access control system on AWS cloud

### Research Assistant ( Multimedia processing )

National Engineering Lab of Speech and Language Information Processing, Hefei, China

March 2012 - July 2013

## MINI SIDE PROJECTS

### An Object Oriented Payroll Case Study ( Java, JUnit, Mockito )

- Utilized various design patterns ( Template, Facade, Singleton, Command, NullObject )

### A continuous integration workflow ( Django, Docker, Make, Jenkins )

- Implemented test, build, release, integration phase for a Django TodoBackend app

### A distributed messaging app ( RabbitMQ, Go )

- Developed messaging app including integration with a database and webclients

### A home-depot ecommerce web app ( Rails )

- Implemented catalog, shopping cart, checkout and email functionalities

## PUBLICATIONS

### Automatic Tag Saliency Ranking for Stereo Images

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

*Neurocomputing*, 2015 ( 5-Year IF: 2.102 )

### 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 ( 5-Year IF: 3.969 )