

# Keith Zeng

Email: [shihezeng@gmail.com](mailto:shihezeng@gmail.com)

Website: <http://keithzeng.github.io/>

Address: New York metropolitan area

## Employment History

### Mar 2015 – Mar 2017: Fannie Mae, Washington D.C. Metro Area

#### 1. Common Securitization Platform - Developer

- Use of SQL to vend data from multiple source table to downstream consumer
- Use of Unix script to process metadata to database

#### 2. CICD Automation – DevOps Engineer

- Use of Jenkin for code deployment to multiple environments
- Use of Unix script to improve deployment efficiency by 4 times
- Use of Unix script to control and regulate the code quality
- Use of Autosys to schedule common-chore jobs
- Use of VBA to generate multiple environments properties file
- Integrate IBM Legacy System with Jenkins

#### 3. Regression Testing Suite – Developer

- Use of Ruby and Cucumber to create regression testing suite
- Use of Ruby and Cucumber to run progression test
- Use of VBA to create user friendly interface for product owners

#### 4. Development Support

- Analyze and provide quick resolution on for 35+ Scrum teams

#### 5. Enterprise Data Glossary Integration

- Use of D3, JavaScript, and SharePoint to create platform to support quick lookup of business attributes
- Use of SharePoint to automate clients onboarding EDI project

### Oct 2014 – Mar 2017: FDM Group Inc., Greater New York City Area

#### 1. Trading Platform Web Application - Developer

- Use of Java for data transfer between front end and back end
- Use of JDBC and JPA for persisting data in database
- Use of jQuery/HTML5/CSS3/AJAX/Bootstrap for front end interface
- Use of Spring Framework for MVC and exception handling and
- Use of Junit and Mockito for unit testing
- Use of Tomcat to host the application
- User of Maven for dependency control

#### 2. Cloud-Based Web Application Prototype - Developer

- Use of Linux server for storing upload file
- Use of Spring MVC for front and back end interaction
- User of HTML/Bootstrap/jQuery for user interface

#### 3. E-Commerce Web Application – Front End Developer

- Use of jQuery/HTML/CSS/AJAX/Bootstrap for front end interface

### Nov 2013 – Sep 2014: THK Management Inc., Greater New York City Area

#### 1. Office Assistant

- Manage the clients' database
- Provide monthly sale report
- Triage and resolve client's problem
- Use Macro to automate repetitive task

#### 2. Sale

## Education

**Sep 2009 – Jun 2013: SUNY at Buffalo, GPA 3.9 (Honor)**

**Bachelor of Science in Chemical Engineering & Minor in Mathematics**

- Stem Cell Growth Model thesis
- Pillars of Leadership
- Percy Sutton Award
- Dean's List, 7 semesters
- Chemical Engineering Academic Excellence Award
- James W. and Nancy A. McLemon Engineering Scholarship
- CRC Freshman Chemistry Award

## Interests and Activities

**Jul 2013 – Dec 2014: An's Taekwondo, Brooklyn, NY – Student**

- Current rank: red belt

**Jul 2013 – Oct 2013: Lutheran Medical Center, Brooklyn, NY – Volunteer**

- Host activities for elderly
- Transport patients to designated area
- Help nurse delivering needs to patients
- Communicate with elderly
- Teach elderly use of technology

**Jul 2011 – Oct 2011: McNair Scholar Conference, Buffalo, NY – Presenter**

- Conducted experiments on stem cells growth rate model using stochastic equation expression
- Presented research about "Stochastic Model of Pluripotent Cells"

## Additional

### Language

- Fluent in Chinese writing and speaking