

# Yaonan Zhong

🏠 [zhongyaonan.com](http://zhongyaonan.com) ✉ [zhongyaonan@gmail.com](mailto:zhongyaonan@gmail.com) ☎ 541-745-8465  
🐙 [github.com/zhongyn](https://github.com/zhongyn) 🔗 [linkedin.com/in/yaonanzhong](https://www.linkedin.com/in/yaonanzhong)

## Experience

**Software Engineer, Intern** Central Web Service, Oregon State University Spring 2104 - March 2015

Oregon Nutrition Education Program Reporting System

- Back-end and front-end development using Ruby on Rails, MySQL, HTML, CSS, JavaScript.
- Designed and implemented a report deletion module with background processing and email notification which saves user's time on waiting for the HTTP request.
- Worked with clients to understand new feature requirements, debugged and fixed issues.

## Education

**Oregon State University** Corvallis, OR Fall 2013 - April 2015

- Master of Engineering, Computer Science, GPA 3.7

**Sun Yat-sen University** Guangzhou, China Fall 2008 - June 2012

- Bachelor of Science, Physics, GPA 3.5

## Languages

- Java, C++, Python, SQL, Object-Oriented Programming, solid data structure and algorithm knowledge.

## Technologies

- Git, Linux, Ruby on Rails, MVC, responsive and mobile first web design, Agile and Test-driven development.

## Data Mining

- Proficient with Python-based open-source software for machine learning, such as NumPy, SymPy, IPython, Matplotlib, Natural Language Processing, Scikit-Learn.

## Projects

(For more details see my explanation on my blog here: <http://zhongyaonan.com>)

### Personal Tech Blog

- Created my own website sharing Hadoop technologies and get 100+ visits per day currently. HTML5, CSS3, JavaScript, Google Analytics, GitHub Page

### Predicting Star Rating based on Yelp User Review Text

- Built a tool that learned how to predict the rating of a Yelp restaurant based on the text of user reviews using Naive Bayes and Support Vector Machine Classifiers. Python, Natural Language Processing

### Gibbs Sampling for Latent Dirichlet Allocation

- Implemented a Latent Dirichlet Allocation (a topic discovery model in natural language processing) solver with Gibbs Sampling. Python

### Eight-ball Pool Game

- Designed and implemented an interacting pool game with a physics engine. OpenGL & C/C++

## Awards

University Graduate Laurels Scholarships	Oregon State University	Spring & Fall, 2014
Excellent Student Scholarships	Sun Yet-sen University	2010 & 2011