

## 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

## Projects

### Eight-ball Pool Game

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

### Personal Tech Blog

- Created personal website ([zhongyaonan.com](http://zhongyaonan.com)) sharing big data technologies and get 100+ visits per day currently. HTML5, CSS3, JavaScript, Google Analytics, GitHub Pages

### 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

### Microsoft TouchDevelop Hackthon

- Created an interesting Sierpinski triangle generator with Microsoft TouchDevelop tool.

## Languages

- C, Java, Python, 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.

## Awards

University Graduate Laurels Scholarships  
Excellent Student Scholarships

Oregon State University  
Sun Yet-sen University

Spring & Fall, 2014  
2010 & 2011