

Yaonan Zhong

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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.

Languages

- Java, C++, Python, SQL, 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.

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

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

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

Personal Tech Blog

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

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