

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
- Coursework: Data Structure and Algorithms, Computer Architecture, Theory of Computation, Artificial Intelligence, Machine Learning, Probabilistic Graphical Models, Computer Graphics, Computer Animation

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) sharing big data technologies and attracted more than 2000 page views within five months. 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

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 ecosystem of open-source software, such as Numpy, Sympy, IPython, Matplotlib, Natural Language Processing, Scikit-Learn. Hands-on experience in machine learning techniques.

Awards

University Graduate Laurels Scholarships
Excellent Student Scholarships

Oregon State University
Sun Yet-sen University

Spring & Fall, 2014
2010 & 2011