Yaonan Zhong

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Education

Oregon State University — Corvallis, OR
Master of Engineering, Computer Science, GPA: 3.7 — Spring 2015

Sun Yat-sen University — Guangzhou, China
Bachelor of Science, Physics, GPA: 3.5 — Summer 2012

Experience

Web Developer, Central Web Service, Oregon State University — Spring 2014 - Present

- Back-end development using Ruby on Rails MVC architecture and MySQL
- Font-end development using JavaScript, jQuery, HTML, CSS, Bootstrap
- Improved user experience by code refactoring and adding new features
- Communicated with clients about requests and project demos
- Team used version control, project management, issue tracking, Agile process, TDD

Graduate Teaching Assistant, Oregon State University — Spring 2013

- Undergraduate course: Digital Logic Design

Skills

- C/C++, Java, Python, Ruby, Rails, JavaScript, MySQL, HTML, CSS, Git, OpenGL
- Python-based ecosystem of open source software for data analysis: NLP, Scikit-Learn Numpy, Scipy, Sympy, Matplotlib, IPython

Projects

Personal Tech Blog Sharing Big Data Technologies

- Created and designed my personal tech blog (http://zhongyaonan.com) for sharing big data technologies such as Hadoop and useful machine learning techniques.

Predict Star Rating based on Yelp User Review Text (Machine Learning)

- Implemented a tool that learned how to predict the rating of a Yelp restaurant based on the text of the user reviews. The classifiers used were Naive Bayes and Support Vector Machine classifiers. Google HeatMap was used for data visualization. Python

Interacting 8-Ball Pool Game (Computer Animation)

- Implemented a physics engine to simulate a pool table with interactions between objects on the table that ran on Linux and Windows. OpenGL, C/C++

Hierarchical Character Viewer (Computer Graphics)

- Design a tool that can display animations of physical models with BioVision hierarchical data (generated by motion capture). OpenGL, C/C++

Microsoft TouchDevelop Hackthon

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

Awards/ Membership

- University Graduate Laurels Scholarships — Spring & Fall, 2014
- Member, Optical Society of America — 2013-2014
- Excellent student scholarships, Sun Yat-sen University — 2010 & 2011