Xiaoxiao Wang

CONTACT INFORMATION

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EDUCATION

University of Illinois at Urbana-Champaign, IL, USA

- Master of Computer Science   GPA 4.0 / 4.0   August 2016 - May 2017 (expected)

- M.S. in Physics   GPA 3.98 / 4.0   August 2011 - August 2016

- Main Courses taken in UIUC:

Introduction to Data Mining	A+	Software Engineering I	A+	Prog Languages and Compilers	A+
Data Structures	A+	Text Information Systems	A	Art and Science of Web Prog	A
Database Systems	A+	Sensing in Social Space	A	Operating System Design	A+
Numerical Analysis	A+	Computer System Analysis	A	Algorithms	A-

- RA and TA in multiple classes

Nanjing University, Jiangsu, China

- B.S. in Physics, Rank **7/171**   GPA 3.89 / 4.0   July 2010

SKILLS

Languages: Python, C/C++, HTML5, CSS3/SCSS, JavaScript, MATLAB, Java, SQL
Frameworks and Tools: Foundation, AngularJS, Node.js, Express.js, JQuery, MongoDB, Git

PROJECTS

WSDM Cup 2017 Vandalism Detection   2016 (Riberry Team)

- This is our final project for the course *CS412 Introduction to Data Mining*.
- I was responsible for analyzing and implementing new Wikidata revision features for classification. I also implemented aggregated feature appender in the client software pipeline.
- Our result was ranked 5th place overall. (http://www.tira.io/task/vandalism-detection/)

K Framework format Print Mode   2016 (KFC Team)

- This is our final project for the course *CS427 Software Engineering I*. We followed XP process for this project.
- New print modes were added to K Framework so that user can specify display format of Abstract Syntax Trees in K.
- I implemented parsing user-defined format strings and processing K tokens in ASTs accordingly. I also designed and implemented pre-saved theme modes.

Course Helper   2016 (BEST Team)

- It is a web application that let instructor users send new assignment notifications to each registered student, and student users will receive notifications from all courses they registered. Due dates will be automatically marked on students' calendar. This project uses Foundation front-end framework and is built with MEAN stack.
- I was the group leader, mainly responsible for the overall design, UX and UI design, database schema design, and implementation of front end.

Promotion Digest   2016 (with Shen Li)

- It is a web application built to classify promotion emails in Gmail into categories, and users can search based on categories. By analyzing order receipt emails, it discovers users' interests and recommends promotions accordingly.
- I trained promotion email classifier using NLTK language toolkit, retrieved and analyzed users order confirmation emails using NLTK and scikit-learn, and implemented the front-end. Shen Li was responsible for crawling user's emails and back-end implementation.

WOWDrobe: A Personal Online Closet   2015 - 2016

- It is a web application built on Django web framework. It helps users organize their wardrobe by keeping track of the items they purchased. It also allows users to post their daily outfit.
- This is my personal project that I designed and developed the entire system from front-end to back-end.

Personalized Twitter Stream Data Categorization   2015 (HXYZ Team)

- This course project crawls tweets in real-time, applies a text categorization algorithm to assign each tweet a corresponding category (e.g. sports, technology, politics, etc.), and offers users personalized tweets based on their specified preferred categories.
- I develop the front-end for this project.

HONORS AND AWARDS

- Excellent Teacher, 2012

- Outstanding Student of Nanjing University, 2009

- People's Scholarship (top 10%), 2008 and 2009

- National Scholarship (top 1%) by Ministry of Education & Ministry of Finance, 2007