

Zili Xiang

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EDUCATION

CORNELL UNIVERSITY

MPS in Information Science

Expected May 2017 | Ithaca, NY

Cum. GPA: 3.51 / 4.0

BS IN LANDSCAPE

ARCHITECTURE

Jan. 2014 - May 2016 | Ithaca, NY

Conc. in Computer Science

College of Agriculture and Life Science

Dean's List (2015 Fall)

Cum. GPA: 3.50 / 4.0

SHANGHAI JIAO TONG UNIVERSITY

Sep. 2011 - Dec. 2013

Shanghai, China

LINKS

Github:// [zxiang77](#)

LinkedIn:// [zili-xiang](#)

Kaggle:// [zxiang77](#)

COURSEWORK

GRADUATE

Operating System

Database System

Machine Learning

Computer Graphics + Prac

Artificial Intelligence

Natural Language Processing

UNDERGRADUATE

Data Structure

Web Development

Discrete Structure

SKILLS

PROGRAMMING LANGUAGE

Java • Python • JavaScript

OpenGL (GLSL and WebGL)

PHP • C/C++ • Ruby • Swift

CSS • HTML

SOFTWARE AND OTHERS

MySQL • LAMP • Linux • Git

Hadoop MapReduce • MongoDB

LaTeX • Shell • React.js • Node.js

EXPERIENCE

TEACHING ASSISTANT | INTERMEDIATE WEB PROGRAMMING

Jan. 2017 – May 2017 | Ithaca, NY

- Hold weekly office hours helping with debugging JavaScript, PHP and SQL

- Prepare weekly discussion and teach back-end technologies (SQL, PHP, phpMyAdmin, JavaScript, jQuery, Ajax and HTML)

VICE PRESIDENT | CUSCEA

Aug. 2016 – May 2017 | Ithaca, NY

- Design and develop website for China-U.S. Cultural Exchange Association (CUSCEA) of Cornell

- Planned conference schedule and workshop

RESEARCH ASSISTANT | SOCIAL DYNAMICS LAB

July 2016 – Sep. 2016 | Ithaca, NY

- Detected burst point of significant social or political events by monitoring data streaming from Twitter

- Developed tools to monitor Twitter stream and built n-gram model based on stream data with MongoDB

PROJECTS

COMPUTER GRAPHICS AND PRACTICUM OpenGL(GLSL, WebGL) and Java

Jan. 2017 - May 2017 | Ithaca, NY

- Visualized historical development data of all countries with GLSL

- Implemented scene rendering with graphics pipeline in Java

MOBILE WEATHER DECISION TOOL JavaScript, jQuery, React.js, Node.js

Jan. 2017 - May 2017 | Ithaca, NY

- Develop a mobile irrigation decision assistant with React.js

- Process and display HDF5 data with python

AMBIGUITY PHRASE DETECTION (NLP) Python

Aug. 2016 – Dec. 2016 | Ithaca, NY

- Implemented HMM and CRF for NER detection

- Reinforced CRF model with deep learning based packages word2vec.

- the best accuracy reached 39% and ranked top 10% in Kaggle competition.

PROJECT IN DATABASE Java, MySQL, PostgreSQL, Hadoop MapReduce

Aug. 2016 – Dec. 2016 | Ithaca, NY

- Built B+ tree and tested the program with JUnit

- Implemented k-mean algorithm using Hadoop framework on local machine

PROJECT IN OPERATING SYSTEM C/C++, Python

Aug. 2016 – Dec. 2016 | Ithaca, NY

- Built a tiny bash, which maintains and controls foreground and background jobs

- Developed network connection with C socket interface

- Implemented a message sending interface among nodes with link-state routing protocol

CORNELL CME WEBSITE DESIGN | [cornellcme.com](#) | HTML, CSS, JQuery, PHP

Sep. 2015 – Dec. 2015 | Ithaca, NY

- Designed the interface and functionality of the website for Cornell Media & Entertainment