Lu Zhang

Address: Room 315, 1247 W.30th st Los Angeles,CA,90007   Tel: (+1) 213-663-5785

Email: zhan634@usc.edu   Homepage: http://www-scf.usc.edu/~zhan634/

EDUCATION

Master in Data Informatics, University of Southern California (USC, Los Angeles, USA, expected May 2019)

- Overall GPA: 3.78/4.0
- Core courses: Building Knowledge Graphs, Data Visualization, Machine Learning for Data Informatics, Foundations and Applications of Data Mining

B.E. in Computer Science and Technology, University of Science and Technology of China.(USTC, Hefei, China, 2013-2017)

- Core courses: Computational Methods:90, Calculus for Functions of Several Variables:92, Data Structure:94

Exchange Student, Electrical and Computer Engineering, University of British Columbia. Courses at UBC: Introduction to Renewable Energy System(pass)

RESEARCH EXPERIENCE

DsBox-Automated Pipeline of Data Modeling

Supervised by Prof. Pedro Szekely, Information Sciences Institute, USC 2018.9-present

- Process data with varied format, crawl and profile data (ACHE, Selenium)
- Table understanding, detect tables in pdf files (Docker image)
- Based on context of tables and files, semantic label cells of labels

Knowledge Graph of Perfume Search System

Supervised by Dr. Pedro Szekely, USC 2018.8-2018.12

- Crawl data from three main sources (Spider, Splinter)
- Generate RDF, solve entity resolution (PSL, RLTK)
- Build user friendly application (d3 Sparql, AngularJS)

Solutions to Query on NoSQL Database

Supervised by Dr. Hlubek Nikolai, Burkert Company, Germany 2018.5-2018.8

- Build a search engine on NoSQL Data (Jupyter, MongoDB, Python, text-distance)
- Do extended data statistics (Plotly)

Text Detect on Maps Based on the Geology Database

Supervised by Professor Yaoyi Chiang, USC 2018.1-2018.5

- Use the Spark and Scala to analyse data(Docker image, Python)
- Train a model recognize text in maps (Data Augmentation, Tensorflow)

EaTogether-Web application

Supervised by Professor Wensheng Wu, USC 2017.8-2017.12

- Write and retrieve data with the firebase
- Implement the cloud messaging

Algorithms Design of Online Job Dispatching in Edge Computing

Supervised by Professor Xiangyang Li, Haisheng Tan USTC 2017.2-2017.7

- Study the theory of Edge Computing ,Figuring out the problem model
- Develop an algorithm to schedule and dispatch online job
- Analyze performance of the algorithm from different aspect

QUALIFICATIONS SUMMARY

—Languages: C, Python, Scala, Matlab, R, html, JavaScript

HONORS & AWARDS

2018: DAAD German Academic Exchange Service Scholarship
2015: Outstanding Student Scholarship
2015: First Prize in Cup of Zongheng debate competition
2014: Outstanding Student Scholarship

ACTIVITIES

2018: Volunteer in SoCal Data Science Conference
2017: Volunteer in SoCal Data Science Conference
2015: Anhui University Basketball Contest (Forth Place in the female group)