Zinuo Li

zli156@hawk.iit.edu | 312.536.0102

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY

MS in Computer Science
Expected Dec 2017 | Chicago, IL
Current. GPA: 3.73
Concentrate in
Data analysis and Machine Learning

COMMUNICATION UNIVERSITY OF CHINA

BS in Electronics Engineering
Sep 2011 - May 2015 | Beijing, China
Concentrated in
Telecommunication Engineering

LINKS

Github:// **arnoldzl**
LinkedIn:// **zinuo li**

COURSEWORK

IN-SCHOOL

Natural Language Processing
Design and Analysis of Algorithm
Advanced database organization
Network Security
Data structures and Algorithm

COURSERA

Information Retrieval
Machine Learning

SKILLS

PROGRAMMING

Proficient:
• Python • C++ • C
• Matlab • Assembly • SQL
Familiar with:
• Java • HTML
• CSS • PHP • LaTeX

FRAMES | VERSION CONTROL

Experienced using:
• Git • Django
• Amazon Web Services
• Twitter/Facebook API • Bing map API

EXPERIENCE

DIR XUNHE TECHNOLOGY | Software Engineering Intern

May 2016 – Sep 2016 | Beijing, China
- Coordinated on an information publication system and user registration and management system using Django.
- Optimized the request time from database about 30% faster by deploying new SQL queries and changing data structures.
- Led a team which responsible for interacting with product manager and front-end developer.
- Reviewed, perfected and pushed the code to actual industrial production.

COMMUNICATION UNIVERSITY OF CHINA
Undergraduate Research Assistant

Aug 2014 – Feb 2015 | Beijing, China
- Originated a test project to automatically record all access points information of one WLAN hotspot, such as AP connection time, ftp/http download speed, user authentication time, etc.
- Organized the data by doing data analysis and data visualization using python and Matlab.

PROJECT

AUTOMATIC TEXT SUMMARIZATION
Read the input paragraph then automatically generate single-sentence summary

Mar 2017 – May 2017 | Illinois Institute of Technology
- Established a python program which one only need to provide the http address, the program would scrape the paragraph in that page directly and generate the single-sentence summary.
- Analyzed the different approach method by comparing the differences among similarity measurements covered in data mining including tf-idf, word2vec, bm25plus etc.

BUILD TINY DATABASE
implement a tiny database-like system

Mar 2017 - May 2017 | Illinois Institute of Technology
- Designed a tiny database that allows navigation through records and inserting and deleting records.
- Implemented a disk-based B+-tree index structure to reduce the time consuming of data retrieving and manipulating.
- Installed a buffer manager to manage a buffer of blocks in memory and different block replacement method.

ONLINE GROCERY STORE
Realize an online grocery store and its all elementary features

Oct 2016 – Dec 2016 | Illinois Institute of Technology
- Developed SQL queries to realize the features not only elementary but also advanced.
- Led a three students team to work cooperatively and integrated database queries into front-end features.
- Programmed this program using Java platform and JDBC to connect the database.