

# Zinuo Li

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## 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

## COURSEWORK

### IN-SCHOOL

Natural Language Processing

Online Social Networking Analysis

Design and Analysis of Algorithm

Science of Programming

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 •  $\text{\LaTeX}$

### FRAMEWORKS

Experienced using:

- Django
- Amazon Web Services
- Twitter/Facebook API
- Bing map API • NodeJS

## 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.