**Linyan Ge**

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##### Skills

**Technical:**

Python(BeautifulSoup & NumPy)

R,SQL

PHP, Java

HTML, CSS, Javascript

**Tools:**

Excel, Word, PPT

Sublime, Atom

Pycharm, PhpStorm, IntelliJ

Tableau, Rstudio, Navicat

**Competencies:**

Algorithm Game Theory

Affinity Diagramming

Contextual inquiry

Mental Mapping

# Education Background

**University of Michigan, School of Information** Ann Arbor, MI

* *Master of Science in Information concentration：Data Analytics 04/2019*

Related Coursework: Natural Language Processing; Database Application Design; Algorithm Game Theory; Statistics & Data Analytics(R language)

**Wuhan University, School of Information Management**  Wuhan, China

* *Bachelor of Arts, Digital Publishing 06/2017*

Related Coursework: Advanced Mathematics; Advanced Programming Language (Java); Data Structure; Software User Interface Design; Digital Asset Management; Computer Network; Information System Analysis and Design.

##### Internship

**Research Assistant** Beihang University *National Engr. Research Center for Sci. and Tech. Sharing Jul 2016 – Sep 2016*

* Created user dashboard with data visualization using JavaScript and Echarts to help decision making.
* Manipulated data using Java, and MySQL to to create desired data list.

**Data Analyst** Wuhan, China

*Dyclub Data Science and Technology Corp. Ltd.* Mar *2016 – Oct 2016*

* Utilized Python to collect data from web media.
* Visualized customer dataset with linear regression and exploratory data analysis on the data gathered by R.
* Used MYSQL and R to clean dataset, help build a tidy database.
* Designed an implementation of 8 sub-MISs for Traditional Medicine Disease Clinical system.

## Research & Project

**Agent Based Modeling for Academic Conferences**

* Simulated the reviewer selection and paper reviewing process of conference with computational model.
* Implement Hungarian algorithm and ABM method that is well proven in game theory application with Python.
* Developed strategic improving plan to increase the overall quality of conferences from 7 aspects.

**Academic Innovation Financial Management Challenges**

* Analyzed educational organization, Academic Innovation(AI), to improve its financial workflow.
* Conducted user research and interviews then use affinity diagramming to gather information from disciplines for comprehensive findings.
* Provided overall synthesis of AI’s current situation and recommendations for its future financial system.

**FeiMao Film Assessment Web Portal Design***Mar 2016 – Jun 2016*

* Used HTML and CSS to develop the front end for the Film Assessment Website with reusable code.
* Gathered Film data by using Python and Web APIs.

**Data Analyst** Wuhan University

*Customer Satisfaction Analysis on Government Portal*  *Oct 2013 – Oct 2014*

* Led a team of 6 members, designed the research path and gathered marketing data by using customer surveys.
* Visualized data and extracted typical opinion of Government Portal from citizen.

NLP

Hw1: Deep understand of naïve bayes algorithms and logistic regression model, and use them to conduct sentiment analysis for large scaled dataset.

Hw2/3:

Morphology

Deep learning

Sentiment analysis.