**Alicia Ge**

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##### Skills

**Technical:**

Python (BeautifulSoup & NumPy)

R,SQL

PHP, Java

HTML, CSS, JavaScript

**Tools:**

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 Apr 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 July 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.

## Research & Projects

**Agent Based Modeling for Academic Conferences** *Sep 2018 – Dec 2018*

* 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** *Sep 2018 – Dec 2018*

* 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.

##### 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.
* Conducted data mining and created desired dataset using Java and MySQL.

**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.