Name: Rui Chen
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Email: chenray@umich.edu
Expected: Summer Intern (Back-end Developer)

Education	**University of Michigan, Ann Arbor**	*Sep.2015 – Apr.2017*

- Major in Computer Science & Engineering

Wuhan University, China   *Sep.2011 – Jun.2015*

- Major in Software Engineering
- GPA: **3.75**/4.0, Rank: top 5% (272)

Experiences

Intern in Chinese Academy of Science(ICT), Beijing   *Jul.2014 – Jan.2015*

- Built inquiry **web** system for Appwill ltd., counting the usage of their pictures and evaluating work of employees. About **8 million records** per day. Backed by **Python** and **MongoDB**.
- Built prediction model for a wallpaper application to estimate the probability of user's behavior based on their pervious action. Overlapping area between **Psychology** and **data mining**.

Projects

Search Engine -- Information Retrieval   *Nov.2015 – Dec.2015*

- Using two ranking factors: PageRank and Inverted Index. Inverted Index is built over **Wikipedia corpus**, which is 316M in size.
- Using Hadoop **Map-Reduce** framework to calculate the Inverted Index.
- This web search engine is capable of scaling to roughly the level of Google in 2004.

Personal Online Albums **-- Web** Development   *Sep.2015 – Oct.2015*

- This is class project about an online photo gallery website. Users can view the public albums of all exiting users. Or they can have access to some private albums if the owner gives the access to them.
- Using **Python Flask** framework and MySQL.

Graduation Project   **--** Data Warehouse   *Feb.2015 – Jun.2015*

- Built data warehouse by using Pentaho **Kettle**, mainly merging data from different platforms and databases.
- Design the structure and collections of MongoDB database to store customer information from JinPai Company China.

National Digital Library of China   **-- Web** Development   *Mar.2014- Jun.2014*

- Implement the comment function, where readers can make reviews on books they have bought, using Ajax to improve the User Experience.
- Implement shopping cart web page using bootstrap and jQuery based on UI, designed the API.

NFC Quick-Pay & Micro-lending System   **-- Android** Development   *Jun.2013 – Sep.2013*

- Developed share-and-pay component using Waterfall flow framework. Users share lending information to friends and pay online.
- Designed the database of the system using MySQL, including seller &buyer part.
- Worked with QA to ensure the quality of projects. Wrote test documentation.

Honors & Awards

National Scholarship of China (2/91)	*2012 – 2013*
Third prize of Lanqiao Algorithm Competition of China	*2014*
Excellent Youth Volunteer of Wuhan University	*2012 – 2013*

Skills & Interests

Advanced:	Java, Python, MongoDB, MySQL, Git.
Basic:	C++, JavaScript, jQuery, HTML, CSS, Bootstrap, Microsoft Office.
Interests:	Software Development, Voluntary work, Cycling, Photography, Basketball.