Name: Rui Chen
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Expected: Summer Intern 2016 (Software Development)

Education		
	Master degree -- University of Michigan, Ann Arbor	*Sep.2015 – Apr.2017*
	• Major in Computer Science & Engineering	
	Bachelor degree -- Wuhan University, China	*Sep.2011 – Jun.2015*
	• Major in Software Engineering	
	• GPA: **3.75**/4.0, Rank: top 5% (272)	

Experiences

Internship in Chinese Academy of Science(ICT), Beijing   *Jul.2014 – Jan.2015*
- Built web system for Appwill ltd., counting the usage of their products. Executed **8 million records** per day, 2GB in size. Backed by **Python** and **MongoDB**.
- Implemented a prediction model for an iOS app to estimate the probability of user's behavior based on their previous actions. Overlapping between **Psychology** and **data mining**.

Projects

Search Engine **--** Information Retrieval   *Nov.2015 – Dec.2015*
- Sort results based on two ranking factors: PageRank and Inverted Index. Dataset is built over **Wikipedia** corpus, 316M in size.
- Applied Hadoop **Map-Reduce** framework to calculate the Inverted Index.
- Be capable of scaling to roughly the level of Google in 2004.

Photo Galleries **--** Web Development   *Sep.2015 – Oct.2015*
- A web project about photo galleries. Support multiple users and authority management. Users can view public albums, manage their own pictures and albums and share to friends.
- Backed by **Python Flask** framework and MySQL.

Graduation Project   **--** Data Warehouse   *Feb.2015 – Jun.2015*
- Built data warehouse based on **Pentaho Kettle**, mainly merging the data from relational databases into NoSQL database. Real data from JinPai ltd., China.
- Enhanced the project warehouse by integrating MongoDB-Delete plug-in. Use the source code from Kettle organization on Github.

National Digital Library of China   **--** Web Development   *Mar.2014- Jun.2014*
- Implemented the comment feature, where readers can make reviews on books they have bought. Applied **Ajax** to improve User Experience.
- Developed the shopping cart web page using **bootstrap** and **jQuery**.

NFC Quick-Pay & Micro-lending System   **-- Android** Development   *Jun.2013 – Sep.2013*
- Implemented share-and-pay component using Waterfall flow framework. Users share lending information to friends.
- Designed the Entity diagram for seller & buyer part.
- Wrote project document and test cases.

Honors & Awards		
	• **National Scholarship of China (2/91)**	*2013-2014*
	• 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.
	Interests:	Software Development, Volunteer work, Cycling, Photography, Basketball.