

Name: Rui Chen
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Expected: Summer Intern 2016 (Back-end Developer)

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| Education | University of Michigan, Ann Arbor • Major in Computer Science & Engineering <i>Sep.2015 – Apr.2017</i> | |
| | Wuhan University, China • Major in Software Engineering • GPA: 3.75 /4.0, Rank: top 5% (272) <i>Sep.2011 – Jun.2015</i> | |
| Experiences | Intern in Chinese Academy of Science(ICT), Beijing <i>Jul.2014 – Jan.2015</i> • Build web system for Appwill ltd., counting the usage of their products. Execute 8 million records per day, 2GB in size. Backed by Python and MongoDB . • Implement a prediction model for an iOS app to estimate the probability of user's behavior based on their pervious actions. Overlapping between Psychology and data mining . | |
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| Projects | Search Engine -- Information Retrieval <i>Nov.2015 – Dec.2015</i> • Sort results based on two ranking factors: PageRank and Inverted Index. Dataset is built over Wikipedia corpus, 316M in size. • Apply 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 <i>Sep.2015 – Oct.2015</i> • A web project about photo galleries. Support multiple users and authority management. Users can view public albums and manage their own pictures and albums. • Backed by Python Flask framework and MySQL. | |
| | Graduation Project -- Data Warehouse <i>Feb.2015 – Jun.2015</i> • Build data warehouse based on Pentaho Kettle, mainly merging the data from relational databases into NoSQL database. Real data from JinPai ltd., China. • Dig into the source code of Pentaho Kettle on Github , mainly focusing on the code of MongoDB-Delete plug-in. | |
| | National Digital Library of China -- Web Development <i>Mar.2014- Jun.2014</i> • Implement the comment feature, where readers can make reviews on books they have bought. Use Ajax to improve User Experience. • Develop the shopping cart web page using bootstrap and jQuery. | |
| | NFC Quick-Pay & Micro-lending System -- Android Development <i>Jun.2013 – Sep.2013</i> • Implement share-and-pay component using Waterfall flow framework. Users share lending information to friends. • Design the Entity diagram for seller & buyer part. • Write project document and test cases. | |
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| Honors & Awards | National Scholarship of China (2/91) <i>2012 – 2013</i> | |
| | Third prize of Lanqiao Algorithm Competition of China <i>2014</i> | |
| | Excellent Youth Volunteer of Wuhan University <i>2012 – 2013</i> | |
| 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. | |