

Ciyang Ren



Personal Information

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Address: Beijing, China

Education

Peking University	Software Engineering	Master	2014.09-2017.06
China's University of petroleum (Beijing)	Computer Science and Technology	Bachelor	2008.09-2012.07

Professional Experiences

Microsoft, Ads Incubation team, Software Engineer Intern 2015.12-2016.06

- Project: **Deep Structured Semantic Models with Convolutional-Pooling(CDSSM)**
 - Incorporates a convolutional-pooling structure over word sequences to learn low-dimensional, semantic vector representations for search queries and Web documents.
- Responsibility:
 - Adding features, adjusting parameters, and then training the data.
 - Using the model trained to predict the semantic similarity of two query.
- Technology: CNN, N-Gram, Tri-Letter, C#
- Project: **Support Agent**
 - This project aims at developing a virtual Chabot for Office 365 technical support, which attempts to understand user intent with multi-turn conversations, and finally response good technical solutions/answers automatically.
- Responsibility:
 - Building the entity table by extracting and selecting the high frequency phrases and co-occurrence collocation phrases from user query log from Office 365 admin portal and the related answer DB.
 - Designing state machine rule to drive the conversation
 - Building a conversation taxonomy by auto data mining within user query log from Office 365 admin portal.
 - Using the conversation taxonomy path to implement the dialog systems.
 - Testing the accuracy and robustness of the system, and then adjust the taxonomy predefined based on the test result.
 - Design a different strategy to generate the question from returned top N answers.
- Technology: CDSSM, Multi-layer classification , C#

Schlumberger BGC, IT team, IT specialist FTE 2012.09-2014.09

- Responsibility:
 - Engaged in the IT Operation Management as helpdesk
 - Maintenance the Office Automation (OA) system of the local center
 - Maintenance the Virtual Machine management system
 - Work as SharePoint Champion to design the project request by the internal user.

Award

	Second prize of National Mathematical Contest in Modeling	2015-2016
Annual National Scholarship (1/55)	First prize of International Mathematical Contest in Modeling	2010-2011

Skills

- Language: Passed CET-4(459) and CET-6(463), good in listening, speaking, reading and writing.
- Familiar with C++, C#, JAVA, SQL Server and MySQL, comprehend C, MATLAB, Python and Android, and strong in algorithm and coding.
- Comprehend algorithm in machine learning and data mining

Interests

Traveling, Reading, listening music, Playing ball games