

Education

PhD candidate in Computer Science, GPA: 3.8, Expected June 2019
University of Massachusetts, Lowell, MA

Bachelor of Science in Electronic Engineering, July 2011
North China University of Technology, Beijing, China

Publications

- Co-Author "Generating Appropriate Question-Answer Pairs for Chatbots using Data Harvested from Community-Based QA Sites." KDIR 2017
- Co-Author "Kwb: An automated quick news system for Chinese readers." ACL-IJCNLP 2015

Competencies

Programming: Java, Python, Javascript, PHP, Hacklang, Spring, Hibernate, Django, Spark, React, TensorFlow, Android, Node.js, HTML, CSS

Computer Science and Technology: Big Data, Natural Language Processing (NLP), Machine Learning, Algorithms.

Experiences

Software Engineering Intern, *Facebook Inc (Seattle, WA)*
June, 2018 - August, 2018

- Conducted feasibility research and design, built innovative component proof of concept for Facebook Message Assistant, enabling future development of strategic product pipeline
- Led development of "stick mode" concept in product's Natural Language Understanding (NLC) core, improving efficiency of the end user's experience and journey in Facebook Message Assistant

Research Assistant, *University of Massachusetts (Lowell, MA)*
June, 2013 - Present

- Led development of community Q&A site, an application automatically generates natural and meaningful question-answer pairs at scale. Technologies used: DOM, NLP, Latent Dirichlet allocation (LDA), Java
- Built News Clustering Tool with accuracy up to 95%. Technologies: Python, TensorFlow, and researches of character-level convolutional network of text classification
- Created a customizable chatbot application in target domains with Python combining Seq2seq model and information retrieval system
- Created an application and framework for crawling news from 300+ Chinese news sites, efficiently improved tool accuracy with using text density to extract news content.

Software Intern, *Blue Mobile (Shanghai, China)*
April 2013- August 2013

- Built and delivered Android Apps for one of major banks in China, serving up to 1M+ clients of China Agriculture Bank.
- Led development and launched educational Maimai Robot iOS application, ranked as top 500 downloaded education apps after first two week of launch

Software Intern, *RetailSolutions (Shanghai, China)*
September 2012 – April 2013

- Built automation tool stream Weibo data channels, (Chinese Twitter, 100M+ active monthly users), using PHP/Java at scale
- Applied AutoHotKey and Java Selenium in built and launched tool to increase efficiency of company and clients' analytics