

Kailang Jiang

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Education

University of British Columbia

Vancouver, CA

M.S. in Computer Science

Sep.2014 ~ present

Shanghai Jiao Tong University

Shanghai, PRC

B.Eng. in Information Security

Sep.2010 ~ Jun.2014

Working Experience

Amazon.com

Detroit, US

Software Development Engineer Intern, in Seller Experience team

Jun.2015 ~ Aug.2015

- Developed a tool in **Scala** to detect internal links between topic pages in help platform
- Developed a tool to store the linking information to **DynamoDB** and update them automatically
- Developed a web interface in **Spring** and **Bootstrap** to show the link graph and generate broken links report

University of British Columbia

Vancouver, CA

Teaching Assistant, in the department of Computer Science

Sep.2014 ~ May.2015

- TA for course CPSC 304 - *Introduction to Relational Database* in 2014 term 2
- TA for course CPSC 101 - *Connecting with Computer Science* in 2014 term 1

Shanghai Jiao Tong University

Shanghai, PRC

Research Assistant, in Advanced Data and Programming Technology lab

May.2013 ~ May.2014

- Research area: Data Mining, Natural Language Processing, Machine Learning
- Built a Chinese concept association network
- Built a dynamic advertisement and video recommendation system

Selected Awards

- *Honor Graduate* in Shanghai Province (**Top 1%**) 2014
- *Finalist Award* in Creative Recommendation System Competition hosted by Baidu, Inc. (**6 out of 800+**) 2013
- *Academic Excellence Scholarship* of Shanghai Jiao Tong University (**Top 10%**) 2011 & 2012 & 2013
- *Second Prize* in National Informatics Olympiad Competition in China 2010

Selected Projects

Chinese Concept Association Network with HMM model

- Designed a method to compute basic semantic relatedness between Chinese concepts
- Designed an algorithm to model the concept association process with Hidden Markov Model(HMM)
- Built a concept association network from Chinese Wikipedia and implemented those algorithms using **Java**

Dynamic Advertisement and Video Recommendation System

- Built a tool to automatically **extract information** from some websites using **Java**
- Built a word similarity knowledge base from extracted text to support recommendation using **Java**
- Built a demo website interface of the recommendation system using **HTML, CSS, Javascript, JSP, Servlet**

In Search of Influential Social Event Organizers

- Given a social network and the attributes of each node, designed three algorithms and implemented them in **C++** to find a group of social event organizers with maximum influence spread while having all the required attributes.

Skills

- Proficient in **Java**, experienced in **Scala, C++, C, python, C#, R**, familiar with web development skills (**HTML, CSS, Javascript, JQuery, JSP, Spring, Bootstrap**) and **SQL**