

# Jiaxi Tang

## Curriculum Vitae

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## EDUCATION

**Simon Fraser University**, Burnaby, Canada  
Ph.D., Computer Science

2015 – 2019(expected)

**Wuhan University**, Wuhan, China  
B.Eng, Software Engineering

2011 – 2015

## RESEARCH EXPERIENCES

*Research Assistant*

Sep 2015 – present

**Database and Data Mining Lab, Simon Fraser University**  
Supervisor: Prof. Ke Wang

Burnaby, Canada

*Recommender System and Text Mining* In progress

- Trying to improve current Matrix Factorization algorithm by taking social information and association rules into consideration.
- Aspect and opinion mining for reviews generated by users on different websites.

*Research Intern*

June 2014 – Feb 2015

**Institute of Computing Technology, Chinese Academy of Sciences** Beijing, China  
Supervisor: Associate Prof. Ping Luo

*Data Mining on Mobile Internet*

- Established user behavior model for wallpaper application, predicted every user's probability to leave based on psychological theories.
- Designed a ranking method in a wallpaper application based on every item's utility, ruling out position bias effect.
- Labeled every user with certain tags, used collaborative filtering to predict the interest of a user, built personalized recommender system.

## SELECTED PROFESSIONAL EXPERIENCES

*Web Development*

2013 – 2015

**IIMS – ISS Information Management System**

*To facilitate the information transfer between staff and students*

- Built a Office Automation system for staff and graduate students, helped staff to gather information from students and notified students of useful information.
- Improved the system's safety to prevent it from being misused by others.

*Android Application & Web Development*

June 2013 – Sept. 2013

**NFC Quick-Pay & Microlending System**

([nfcpay.sinaapp.com](http://nfcpay.sinaapp.com))

*To build an innovate and convenient mean of payment*

- Used Near Field Communication(NFC) technology to make payment faster and more convenient.
- Implemented an innovative mobile P2P lending system with Social Network Service(SNS) elements integrated.

*Web Development*

Dec. 2012

**Star of International School of Software**

([issvote.sinaapp.com](http://issvote.sinaapp.com))

*To vote for the annual stars of my college*

- Built a voting system, and visualized the data of every candidate.
- Recorded IP and other information to prevent malicious brush ticket behavior.

## PUBLICATION

Ping Luo, **Jiaxi Tang**, Rui Chen, Fuzhen Zhuang, Dou Shen, Qing He. "User Browsing Model in Hedonic Content Systems: the Merrier the More?". **(Preprint)**

## HONORS & AWARDS

**National Scholarship** (4/190)

2013– 2014

The First-Class Scholarship, Wuhan University (10/190)

2012 – 2013

Honorable Mention in ACM Invitational Tournament, China University of Geosciences

2014

Honorable Mention(Nation's Top 20) in Citi Cup

2013

First prize in Software Festival Programming Competition, Wuhan University

2012

Outstanding Student Award, Wuhan University

2013, 2014

**EXTRA-  
CURRICULAR  
ACTIVITIES**

**Co-founder** Cafe Date, a commonweal organization aims to help junior students learn experience from senior ones

**Minister** Students Union, School of Software, Wuhan University

**Organizer** The 6th Software Festival, Wuhan University

**Member** The basketball team, School of Software, Wuhan University

**SKILLS**

**Programming Skills** Python, Matlab, C/C++, Java, .NET Framework(C#),  $\LaTeX$

**Data Related** MySQL, MongoDB.

**Web Related** HTML, CSS, Javascript, PHP, Node.js, d3.js

**Special** Communication, Leadership, Management.