

# HAITIAN GONG

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## EDUCATION

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- Beijing University of Posts and Telecommunications** **Beijing, China**  
**Bachelor of Engineering in Information Engineering** September 2011-July 2015
- **Core Courses Concerning Computer Science:** Programming Languages, Data Structures, Pattern Recognition & Machine Learning and Web Search Engine
  - **Overall GPA: 86.50/100 Major GPA: 87/100**
- Carnegie Mellon University** **Pittsburgh, USA**  
**Master of Science in Intelligent Information Systems** September 2011-July 2015
- **Selected Courses:** Machine Learning, Search Engines and Algorithms for NLP

## PROJECTS

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- User Representation Learning for Social Computation** **Beijing, China**  
*Intern Research Assistant* March 2015-June 2015
- Supervised by Prof. Maosong Sun and RA Zhiyuan Liu.
  - Explored Sina Weibo users' social networks by revised *DEEPWALK* algorithm.
  - Applied Multiple Word Embedding techniques, such as CBOW model and NP-MSSG model, in the study of Sina Weibo user sequences.
  - Effectively represented multiple attributes of each user in multi-dimensional vector space.
  - Found out Sina Weibo users' real social circles with the help of their attribute vectors.
- Analysis of Sina Weibo users' Attributes** **Beijing, China**  
*Intern Research Assistant* September 2014-January 2015
- Supervised by Prof. Maosong Sun and RA Zhiyuan Liu.
  - Collected around 6TB blog articles and user information of Sina Weibo by its API.
  - Performed statistical analysis on about 6TB data with the help of Hadoop.
  - Analyzed First Person Pronoun Use in Weibo Texts.
  - Revealed the correlation between individualism/collectivism orientation and user's gender & economic development level of a region.
- An iOS App concerning OCR and Translation** **Beijing, China**  
*Leader of the Innovation Project* July 2013-April 2014
- Supervised by Prof. Li Guo.
  - Designed framework of the iOS App, including UI and other basic functions.
  - Completed the programming of simplified and traditional Chinese characters conversion.
  - Applied Google's Tesseract OCR in the App.
  - Gained the opportunity to present the App at the exhibition of innovation projects.

## PROFESSIONAL SKILLS

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- Software/IDE: eclipse, Visual Studio, Xcode, MATLAB, IntelliJ IDEA
- Programming Languages: Java, C/C++, Objective-C, MATLAB, HTML&CSS

## HONORS

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- Successful Participant of Mathematical Contest in Modeling May 2014
- Third-class Scholarship, BUPT September 2014
- Second-class Scholarship, BUPT September 2013
- Third-class Scholarship, BUPT September 2012