

DENG, Xiaodong

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Education

- **MSc in Mathematics** (expected in December 2015)
 - National University of Singapore, Singapore
 - **Bachelor of Science in Applied Mathematics**
 - Beijing Forestry University, China, Sep 2010-June 2014
 - Graduation thesis: *Image Classification Based on Direction Fields and Bayesian Theory*
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Work & Research Experience

- **January 2015 – Present:**
Research Assistant, Saw Swee Hock School of Public Health, National University of Singapore, Singapore
 - In charge of statistical analysis and machine learning in public health research.
 - **July 2013 – Dec 2013:**
Analyst (full-time internship), iSoftStone Corp. (NYSE: ISS), Beijing China
 - Assisted in data collection, quality control and analysis, with R language as the major instruments
 - Delivered service to one of the biggest speech recognition engines around the world
 - **Apr 2013 – Sep 2013**
Research Assistant, College of Environment Science, Beijing Forestry University
 - In charge of the statistical analysis and mathematical modeling
 - Funded by the Chinese Ministry of Education
 - **May 2012- Apr 2013**
Leader of software development project, College of Science, Beijing Forestry University
 - Obtained a copyright recognized by the National Copyright Administration of China.
 - Funded by the Chinese Ministry of Education
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Publications

- DENG Xiaodong, *the Optimization in Gambler's Ruin Problem*, *MathMedia* (hosted by the Institute of Mathematics, Academia Sinica, Taiwan), 2014, Vol 38(3): 79-82.
 - LI Hongjun, YANG Feng, DENG Xiaodong, *Correlation Analysis between Mobile Game Downloads and User Preferences*, *Sciencepaper Online China*; Sep 4, 2013
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Software Copyright

- **'A Text Encryption Software Based on Dynamic Affine Calculation'**
 - primarily applied to encrypt text information and developed in Python language
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Honors & Awards

- Second Class Prize of the National Mathematical Modeling Contest, China, 2012
 - Top 8% of over 15000 teams
 - Honorable Mention of Mathematical Contest of Modeling(MCM), 2013
 - Academic Merit Scholarships of Beijing Forestry University
 - Three times, 2010-2011, 2011-2012, 2012-2013
 - Outstanding Individual of Student Association of Beijing Forestry University, 2011-2012
 - Advanced individual of Sports of Beijing Forestry University
 - Two times, 2011-2012, 2012-2013
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Technical Skills

- **Statistical tools & Programming**
 - Familiar with R language, Python
 - Basic knowledge in Matlab and SPSS
 - **Database**
 - Familiar with SQL and MongoDB
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Leadership & Activities

- **Founder and the 1st president of the BJFU Mathematical Modeling Research Society**
 - Founded this research society in 2012 and served as the first society president
 - Achieved over 50 regular members until my leave
 - Organized a Mathematical Modeling Contest in 2013 which was entered by over 80 teams
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