

# Tong He

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## EDUCATION

### **Sun Yat-Sen(Zhongshan) University**

B.S. in Statistics, Sep. 2009 - Jun. 2013

- ▶ Overall GPA: 3.6/4.0
- ▶ Last two years GPA: 3.9/4.0

## AWARD

### **KDD CUP, 2013**

- ▶ Ended up with top 20% in track 1

### **ACM/ICPC, 2012**

- ▶ Second prize in SYSU campus
- ▶ Third prize in Guangdong province

### **Individual Study Scholarship, 2012**

- ▶ Dedicate to those excellent in research and study

### **National Mathematical Modeling Competition, 2011**

- ▶ Third prize in Guangdong province

## INTERN EXPERIENCE

### **Douban**

Algorithm Engineer , Beijing, China, 2013

- ▶ Predict user gender and income level via user preference data with the precision higher than 95%
- ▶ Clean and structurize folksonomy data
- ▶ Natural language processing jobs involving Chinese word splitting

### **Giordano**

Buisness Analyst, Guangzhou, China, 2013

- ▶ Analyse relationship among variables and report in slides, i.e. weather, temperature, storage, discount, and sales volume.

### **Industrial and Commercial Bank of China**

Data Analyst, Guangzhou, China, 2012

- ▶ Data organizing and formalization for enterprises

## PUBLICATION

### **Augmenting LASSO Regression with Decision Tree for Identifying the Correlation of Genetic Polymorphism and Adverse Events**

- ▶ Accepted as regular paper by BIBM 2013

### **Introductory Statistics with R in Chinese**

- ▶ One of the translators of the Chinese version, originated by Peter Dalgaard

## RESEARCH PROJECT

### Single feature polymorphisms gene detection based on Bayes model

- My undergraduate thesis. Rated as the top level.

### Microarray Data with shrinked MANOVA statistic, analysed based on FDR

- Borrow technics from *Large Scale Inference* by Bradley Efron

## INVITED TALKS

### Cleansing and analyse folksonomy in Douban

- Sixth useR China conference in Shanghai, Nov. 2013

### Ensemble model in machine learning

- First R Salon in Guangzhou, Jun. 2013

## PROGRAMMING LANGUAGE

### R

- Seasoned R user, having a project *R for Codejam* aiming to implement classical algorithms in R

### C/C++

- Experience with ACM/ICPC in college and Olympiad in Informatics in high school

## ENGLISH PROFICIENCY

TOEFL : 102

GRE : 321

## EXTRACURRICULAR ACTIVITIES

### Volley ball team of Mathematical School

- Team Leader

### Chorus of Sun Yat-Sen University

- Tenor section leader