

SHAN LU

8 Lize West Street, Building 13 Unit 2 Apt 1201, Beijing 100102, China

(+86)159-1063-1322 • lushan.frank@gmail.com

Website: baizhima.github.io • GitHub Account: [baizhima](#)

Education

Renmin University of China

Beijing, China

Bachelor of Science in Applied Mathematics

March 2013 - June 2015(*expected*)

Cumulative GPA: 89.7/100, top 5%

Bachelor of Management in Agricultural Economics and Management, Summa Cum Laude

September 2010 - June 2014

Cumulative GPA: 88.6/100

Recipient of Renmin University's President Scholarship for Overseas Study(**top 0.1%**, 20 undergraduates per year)

University of California, Davis

Davis, California

Exchange Student in Mathematics and Economics

January 2012 - December 2012

Cumulative GPA: 3.97/4.0, with 9 out of 12 courses graded A+

Stanford University

Stanford, California

Summer Student in Computer Science

Highlighted CS courses: Introduction to Programming Design(A), Data Structures(A), Probability(A+), Numerical Analysis(A+), Object-oriented Programming and Software Development(A+), Computer System and Organization(A)

Overall CS GPA: 3.87/4.0 (8 courses)

Professional Experience

Multimedia Computing Lab, School of Information

Beijing, China

Undergraduate Research Assistant (Advisor: Prof. Xirong Li)

September 2013 - Present

- Implemented Negative Bootstrapping method with SVM on PASCAL VOC 2013 image classification task
- Reassembled the SVM classifier with a Histogram Intersection Kernel to improve the overall top-5 accuracy by 8%

Dalian Commodity Exchange Research Institute

Beijing, China

Intern Researcher (Supervisor: Dr. Dapeng Sun)

July 2013 - September 2013

- Programmed a dominant contract monthly-effect detector for No.1 Soybean contract in Python
- Finished an industrial analytical report "U.S. Aluminum market premium and London Metal Exchange's storage policy"
- Drafted a tutorial about Bloomberg Terminal's API in commodities section research

JunBro ToWords Corportation, iOS Division

Beijing, China

Intern User Experience Designer

January 2013 - March 2013

- Won the internship at ToWords(top 3 English learning Apps in AppStore China) due to my insightful feedback reports
- Built an econometric model measuring the correlation between hourly page views with working hours patterns
- Remodeled the user scoring system based on Elo's Rating System

Publication & Talks

Facial Expression Recognition Based on Discriminant Neighborhood Preserving Nonnegative Tensor Factorization and ELM

Gaoyun An, Shuai Liu, Yi Jin, Qiuqi Ruan, and **Shan Lu**, *Mathematical Problems in Engineering*(Vol. 2014)

- Implemented the Extreme Learning Machines(ELM) method to classify human faces features

Game Characteristics and Feedback Period of MOOC(Massive Open Online Courses) Learning

Changsha, China

Student Speaker, *CCF China National Computer Congress(CNCC 2013), MOOC Subforum*

October 2013

- Invited due to my distinctive coursework on MOOC Platforms(over 11 Statement of Accomplishment in CS courses)
- Compared MOOC with traditional classes in terms of game features (e.g. goals, rules and feedback systems)

Volunteer Works

Department of Linguistics, University of California Davis

June 2012 - October 2012

- Volunteer Chinese tutor of summer session course Chinese 1A and Chinese 3A
- Held office hours correcting students Mandarin every Monday and Tuesday afternoon

Youth Volunteer Association, Renmin University of China

September 2011 - December 2011

- Volunteer teacher at Beijing No.171 High School, teaching the elective course "Principles of Economics" once a week

CaiHong(Rainbow) Program, co-founded by Ministry of Education and Renmin University of China

July 2011

- Volunteer guide in responsible of students from Chihlee Institute of Technology, Taiwan

MOOC Certificates

- Statement of Accomplishment **with Distinction**: Coding the Matrix(Brown, 97.5%), Computational Investing(Georgia Tech, 100%), Computing for Data Analysis(John Hopkins, 99%), Interactive Programming in Python(Rice, 90.9%), Introduction to Computational Thinking and Data Science(MIT, 93%), Web Application Architectures(Univ. Mexico, 90.9%)
- Statement of Accomplishment: Bioinformatics Algorithms I(UC San Diego), Functional Programming in Scala(EPFL), Machine Learning(Stanford), Statistical Learning(Stanford), Introduction to Databases(Stanford)

Skills

- Languages: Native in Chinese, full-proficiency in English
- GRE: 324 (Verbal 154/170, Quantitative 170/170, Analytical Writing 3.5/6.0)
- TOEFL: 108(Reading 30/30, Listening: 29/30, Speaking: 22/30, Writing: 27/30)
- Programming Skills: C/C++, Python, Java, MATLAB, R, HTML/CSS/JavaScript, Visual FoxPro

Scholarship & Awards

- Outstanding Graduate (*Summa Cum Laude*) June 2014
- Academic Excellent Scholarship, Renmin University of China September 2011, September 2013
- Academic Perfection Award, University of California Davis June 2012
- President Scholarship for Overseas Study (**top 0.1%**, 20 over 2994 students of Class 2014) December 2011
- Award of Outstanding Leadership (class monitor from Sep. 2010 to Dec. 2011) May 2011, September 2011
- Champion, Beijing No.5 High School e-Sports competition (Warcraft III: Frozen Throne) July 2008
- Place in top 8, Beijing Sudoku Tournament July 2007