

FEI XIA

2# Zijing Student Apartment ◇ Tsinghua University ◇ Beijing 100084, P.R. China
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EDUCATION

Tsinghua University, Beijing, China *2012 - 2016(expected)*
B.S. Department of Automation
GPA: 95.3/100
Ranking 1st/144 in Dept. of Automation

Georgia Institute of Technology, Atlanta, GA, USA *2014.8 - 2014.12*
Exchange student in School of Electrical and Computer Engineering
GPA: 4.0/4.0

RESEARCH EXPERIENCES

Georgia Insitute of Technology, Atlanta, GA, USA *2014.8 - Present*
Sun Lab, School of Computational Science & Engineering, College of Computing
Research Assistant

- **Epilepsy Seizure Prediction Based on EEG Data**
- Supervisor: Prof. Jimeng Sun
- Generally applied machine learning and data mining techniques to solve healthcare problems
- Built an analytic model for epilepsy seizure prediction based on EEG data
- Participated in Kaggle Competition, and ranked top 10%.
- **Ongoing project: Cost Estimation for Cloud-Based Analytic Machine Learning Pipeline**

Tsinghua University, Beijing, China *2014.2 - Present*
Knowledge Engineering Group, Department of Computer Science and Technology
Research Assistant

- **Influence Propagation Modeling based on Factor Graph Model and Hawkes Process**
- Supervisor: Prof. Jie Tang
- Designed various models for continuous-time information diffusion in networks.
- Proposed methods for learning models and making inferences.

Tsinghua University, Beijing, China *2013.7 - 2014.7*
Center for Synthetic and System Biology
MOE Key Laboratory of Bioinformatics and Bioinformatics Division
Research Program Member

- **Marvelous TALE — Towards Better DNA Editing Tools**
- Supervisor: Prof. Xiaowo Wang, Prof. Zhen Xie
- Developed a DNA optimizing algorithm for reducing homologous recombination probability of TALE expression in E.Coli
- Implemented the algorithm, conducted experiments and provided data for wet-lab synthesis
- Participated in International Genetically Engineered Machine Competition 2014 and won Bronze Prize

Tsinghua University, Beijing, China

2013.1 - 2014.7

Tinker@Home Group, Texas Instruments-Tsinghua Future Robots Club

Team Leader

- Worked on developing a robust face detecting and recognizing system for robots.
- Developed a package for face detection, alignment, archive building, and recognition.
- Participated in RoboCup 2014 in João Pessoa, Brazil, won 10th place in @Home League.

Tsinghua University, Beijing, China

2013.9 - 2014.4

Center for Intelligent and Networked Systems

Research Assistant

- **ROSLink - A Lightweight Middleware for IoT based on Robot Operating System**
- Supervisor: Prof. Qianchuan Zhao
- Developed a middleware for IoT based on Robot Operating System
- This project won the 3rd Prize in the 32nd Challenge Cup in Tsinghua University

AWARDS

- 2014** Chongzhi Fang Scholarship (Highest honor in Dept. of Automation, 1 out of 560)
- 2014** China Scholarship Council Excellent Undergraduate Fellowship
- 2014** Tsinghua Sparks Program (Undergraduate High-tech Club) Membership
- 2013** National Southwest Associateo University Scholarship(1 out of 560)
- 2012** Tsinghua University Outstanding Freshman Scholarship
- 2011** Gold Medal of 25th Chinese Chemical Society National Chemistry Contest (Ranking 8th/92k)

TECHNICAL STRENGTHS

Programming Languages	Proficient in C/C++, Python, Matlab, Java
Tools	ROS, vim, git, cmake, gcc, L ^A T _E X
Research	Knowledgeable with state-of-the-art machine learning techniques

LANGUAGE SKILLS

English	Excellent listening, speaking, reading and writing abilities · TOEFL iBT 111/120
Chinese	Mother tongue