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% (out of 504 teams)
- **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 Embedded Representation and Multidimensional 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 based on genetic algorithm and sequence alignment 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, LaTeX
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