Zhiyong Fang

PERSONAL DETAILS

Address	423C, HRBB Building, Texas A&M University
Phone	979-985-7861
EMail	zhiyong.fang.1997@gmail.com

EDUCATION

B.Eng in Computer Science   `2015-2019`
ACM Honors Class, (top 1% in) Shanghai Jiao Tong University
    Overall GPA 92.4/100

Ph.D. in Computer Science   `2019-now`
CSCE department, Texas A&M University

RESEARCH INTEREST

- Applied Cryptography & Zero Knowledge Proof & Blockchain & Deep Learning

RESEARCH EXPERIENCE

Research Assistant   `2017-2019`
APEX Lab, Shanghai Jiao Tong University, Advisor: Prof. Weinan Zhang

- Research focus: reinforcement learning in video game environments.

Research Assistant   `2018-2019`
Sailing Lab, Carnegie Mellon University, Advisor: Prof. Eric Xing

- Research focus: computer vision and its application.

Research Assistant   `2019-now`
Texas A&M University, Advisor: Prof. Yupeng Zhang

- Research focus: zero-knowledge proof and its application.

PUBLICATION

- Rishabh Bhadauria, Zhiyong Fang, Carmit Hazay, Muthuramakrishnan Venkitasubramaniam, Tiancheng Xie, Yupeng Zhang, Ligero++: A New Optimized Sublinear IOP, ACM CCS 2020.

- Jiaheng Zhang, Zhiyong Fang, Yupeng Zhang, Zero Knowledge Proofs for Decision Tree Predictions and Accuracy, ACM CCS 2020.

PROJECTS

- *MxCompiler*: A compiler from a C-style language to assembly, optimization includes register allocation and function inline.

- *AlphaGomoku*: An AI player for *Gomoku*, techniques include Deep Reinforcement Learning , Self Play and Monta Corla Tree Search.

AWARDS

- **Fall 2017** Academic Excellcence Scholarship. (Top 1% at Shanghai Jiao Tong University)

- **Fall 2017** Zhiyuan College Honored Scholarship. (Top 1% at Shanghai Jiao Tong University)

- **Fall 2016** Academic Excellcence Scholarship. (Top 1% at Shanghai Jiao Tong University)

- **Fall 2016** Zhiyuan College Honored Scholarship. (Top 1% at Shanghai Jiao Tong University)

TEACHING

- **Fall 2016** Teaching Assistant for *Computer Programming and Design*, Shanghai Jiao Tong University.

- **Fall 2017** Teaching Assistant for *Operating System*, Shanghai Jiao Tong University.

- **Spring 2020** Teaching Assistant for *CSCE 465, Computer and Network Security*, Texas A&M University.