Jiayu Zhang

Room 135A(Mailing: 111), MCS Building, Boston University, 02215

✉ jyz16@bu.edu   •   🌐 zhangjiayu.github.io

Research Interest

Everything about quantum, mainly on the theory: quantum computation, quantum information, quantum cryptography and so on.

Education

Boston University	2017-Present
Ph.D Candidate in Computer Science, advised by Prof. Adam Smith	
Pennsylvania State University	2016-2017
Ph.D Candidate in Computer Science and Engineering, advised by Prof. Adam Smith	
Tsinghua University	2012-2016
Bachelor's degree in Software Engineering	

Research Experience

Pennsylvania State University & Boston University	Sep 2016-Present
PhD Candidate & Research Assistant, advised by Prof. Adam Smith	
Research field: quantum crypto	
Tsinghua University	Nov 2014-Jun 2016
Research Assistant, advised by Prof. Mingsheng Ying	
Research field: quantum computing theory	

Honors and Achievements

Academic Excellence Award	2013 & 2014
Tsinghua Comprehensive Engineering Capabilities Contest, First Prize(Group, Captain)	2015

Papers and Thesis

(Manuscript)Blind Quantum Computation and KDM Security in Quantum Random Oracle Model
(Undergraduate Thesis)A Study on the Periodicity of Quantum Markov Chains

Internships and Projects

High concurrency online ticket selling and message push system	Fall 2014
Software Fall 2014 Project, group work	
The system was used by tens of thousands of people in Tsinghua. My key work is to use nginx to implement high performance and high concurrency web load distribution module, which is a key part in the high concurrency server.	
Image classification	Spring 2013
Project, group work	
Image Classification with Neural Network and Feature Extraction	

Work Experience

Teaching Fellow for Introduction to computer science	Spring 2017
Teaching assistant for data structure and algorithm	Fall 2016

Skills

Assembly, C, C++, Java, C#, Python, JavaScript, Web, Android and many

Hobbies

Chess, Chinese Chess & Go
Chinese Chess Competition for University Students in Beijing – the 1st Place
2d level on eweiqi(an online Go platform)