

# Jiantao Qiu

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## EDUCATION

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**Tsinghua University, Beijing** *June 2011- present*  
B.S. in Electronic Engineering  
**Maanshan No.2 High School** *Sept. 2008- June 2011*  
Provincial Science Experimental class

## RESEARCH EXPERIENCE

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**Graph Partition Algorithm Accelerated By GPU** *2012-2013*  
**Adviser: Yu Wang** *Team member:2*  
· Implement the graph partition algorithm on GPU for acceleration.  
· Achieve average about 10x speed up on test data set, maximum is 20x speed up.  
· Top 10 project of AMD APU/GPU Heterogeneous Development Competition.

**A Smart Camera With CNN on Embedded System** *Oct.2014-present*  
**Adviser: Yu Wang** *Team member:4*  
· Aimed to implement a CNN on embedded system(FPGA and embedded GPU).  
· Implement compaction algorithm on the CNN model for high performance(test phase).  
· Design a CNN accelerator on FPGA(test phase).

## DEVELOPMENT EXPERIENCE

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**Tag Identify And Semantic Analysis Based Human-Item Interactive System** *2012-2013*  
**Adviser: Yiming Liu & Hao Zhang** *Team member:3*  
· A smart phone APP provides a user-friendly way for human-item interaction.  
· The system is based on Tag identification and semantic analysis technic, and offer services in the way of cloud.  
· Won First Prize of Tsinghua Challenge Cup in 2013.

## HONORS AND AWARDS

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**Innovation and Technology Scholarship** *2013*  
**Academic Excellence Scholarship** *2012*  
**Tsinghua Challenge Cup First Prize** *2012*  
**Outstanding Freshman Scholarship** *2011*  
**The National Physics Competition Gold Medal** *2010*  
**The Provincial Chemistry Competition First Prize** *2010*