

# Yuduo Wu

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## EDUCATION

### **University of California, Davis**

Master of Science, Electrical Computer Engineering

Research Area: Parallel Computing (GPGPU), Graph Analytics

Advisor: Professor John D. Owens

*Davis, CA*

*Sept 2015*

### **Macau University of Science and Technology**

Bachelor of Science, Electronic Information Technology

*Taipa, Macau*

*Jun 2013*

## SKILLS

C/C++, Python, CUDA, Java, R, L<sup>A</sup>T<sub>E</sub>X, Shell/Bash scripting, Golang, JavaScript, MySQL

Capable of working in Unix/Linux, Macintosh and Windows environments

## EXPERIENCE

### **Software Engineer, IBM, Cloud Division, San Jose, CA**

*Sept 2015 - present*

- Build robust server and client side code for IBM Bluemix platform based cloud applications
- Intergrate OpenStack Nova/Neutron for firewall/network security group as a service

### **Student Researcher, Institute of Data Analysis and Visualization (IDAV), UC Davis, CA 2014-Sept 2015**

- Implemented parallel minimum spanning tree algorithm on a GPU using C++/CUDA
- Achieved up to 120X speedup against a popular serial implementation (Boost graph library)
- Developing and maintaining an open source library (Gunrock) for large-scale graph analytics
- Characterizing the performance of high-level programming models for GPU graph analytics

## AWARDS & HONORS

**Distinguished Paper Award, Principles and Practice of Parallel Programming (PPoPP'16)** 2016

**Solutions Excellence Award (EA), IBM** 2015

**Best Paper Finalist, IEEE International Symposium on Workload Characterization (IISWC'15)** 2015

**Dean's Honor List Scholarship, Macau University of Science and Technology** 2011, 2012, 2013

**Crystal Cup Award, Top 3 in GPA, Macau University of Science and Technology** 2011, 2012, 2013

**Nam Kwong Academic Year Scholarship, Nam Kwong (Group) Co., Ltd, Macau** 2012

## LEADERSHIP & SERVICE

**Vice President, IEEE Student Branch of Macau University of Science and Technology**

*2013*

Managed IEEE student members and organized academic activities.