

Yuduo Wu

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GitHub: <https://github.com/ydwu>

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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, Matlab, \LaTeX , Shell/Bash scripting, MySQL, Go, JavaScript

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

EXPERIENCE

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

Sept 2015 - present

- Integrating OpenStack Designate back-end to Bluemix for DNSaaS cloud network services

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

Intern, Defense Advanced Research Projects Agency (DARPA), Arlington, VA

Jun - Sept 2014, 2015

- Built simple C and Python interfaces for Gunrock to facilitate external developers
- Computed centralities/recommendations and generated JSON outputs for visualization

AWARDS & HONORS

Best Paper Nominee, *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.