

Yiping Kang

Curriculum Vitae

CONTACT INFO

ADDRESS: University of Michigan,
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EDUCATION

2014 - PRESENT The University of Michigan, Ann Arbor, MI, USA
Ph.D. Student | Advisors: Jason Mars, Lingjia Tang, Trevor Mudge
Interests: System design and intelligent applications
GPA: 3.9/4.0

2012 - 2014 The University of Michigan, Ann Arbor, MI, USA
B.S. in COMPUTER ENGINEERING
GPA: 3.9/4.0

2010 - 2014 Shanghai Jiaotong University, Shanghai, China
B.S. in COMPUTER ENGINEERING
GPA: 3.7/4.0

PUBLICATIONS

DjiNN and Tonic: DNN as a Service and Its Implications for Future Warehouse Scale Computers
Johann Hauswald, Yiping Kang, Michael A. Laurenzano, Quan Chen, Cheng Li, Ron Dreslinski,
Trevor Mudge, Jason Mars, and Lingjia Tang.
Proceedings of the 42th International Symposium on Computer Architecture (ISCA), 2015.

Quality-of-Service for a High-Radix Switch
Nilmini Abeyratne, Supreet Jeloka, Yiping Kang, David Blaauw, Ronald Dreslinski, Reetuparna Das,
and Trevor Mudge.
Proceedings of the 51st Design Automation Conference (DAC), 2014.

OPEN-SOURCE PROJECTS

DjiNN and Tonic

Deep neural network as a service and a suite of intelligent applications spanning image, speech and natural language processing.

Sirius

An open source end-to-end standalone speech and vision based intelligent personal assistant (IPA) service.

PROFESSIONAL EXPERIENCE

SEP. 2014 - PRESENT Graduate Student Research Assistant
University of Michigan, Ann Arbor, MI, USA
› Clarity Lab.
› Computer Engineering Laboratory (CELAB).

MAY 2013 - APRIL 2014 Undergraduate Research Assistant
University of Michigan, Ann Arbor, MI, USA

SERVICE

External reviewer: MICRO 2015, ASPLOS 2016.

SKILLS

Programming Languages: C/C++, Python, Verilog, Bash, Java, MPI, openMP
Simulator and Profiling Tools: gem5, Pin, VTune, nvprof
Frameworks and Tools: Caffe, Kaldi, Theano, NEON
Languages: English, Chinese

AWARDS AND ACTIVITIES

Scholarship: University of Michigan EECS Departmental Fellowship, 2014-2015

Membership: Eta Kappa Nu Engineering Honor Society
Beta Epsilon Chapter at University of Michigan

RELEVANT COURSEWORK

EECS545: Machine Learning
EECS570: Parallel Computer Architecture
EECS583: Advanced Compiler
EECS587: Parallel Computing
EECS470: Computer Architecture
EECS483: Compiler Construction