Yiping Kang

Curriculum Vitae

Contact Info

Address: University of Michigan,
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Ann Arbor, MI 48109 USA

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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: Server Design, Mobile Platforms, Machine Learning
GPA: 4.0/4.0

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.
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.
51st Design Automation Conference (DAC), 2014.

Projects

Sirius: An open source end-to-end standalone speech and vision based intelligent personal assistant (IPA) service
In charge of automatic speech recognition(ASR) component.

Professional Experience

Sep. 2014 - Present — Graduate Student Research Assistant
University of Michigan, Ann Arbor, MI USA
› Clarity Lab.
› Advanced Computer Architecture Lab (ACAL).

May 2013 - April 2014 Undergraduate Research Assistant
University of Michigan, Ann Arbor, MI USA

Skills

Programming Languages:	C/C++, Python, Verilog, Bash, Java, MPI, openMP
Simulater and Profiling Tools:	gem5, Pin, VTune, nvprof, Caffe
Languages:	Native in Chinese, Fluent in English

Awards and Activities

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

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

Relevant Coursework

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