Danyang Zhuo

CONTACT INFORMATION

Paul G. Allen School of Computer Science and Engineering
University of Washington
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EDUCATION

University of Washington - Seattle Sep 2013 – Present
Ph.D. in Computer Science and Engineering
Adviser: Prof. Thomas E. Anderson and Prof. Arvind Krishnamurthy

University of Illinois - Urbana Champaign Aug 2009 – May 2013
B.S. in Electrical Engineering with Highest Honor
Adviser: Prof. Nitin Vaidya

PROFESSIONAL EXPERIENCE

Microsoft Research Oct 2015 – Feb 2017
Part-time contractor (through Populus Group)

Microsoft Research Jun 2015 – Sep 2015
Research Intern

Google Sep 2014 – Mar 2015
Software Development Engineering Intern

Amazon Web Service May 2013 – Sep 2013
Software Development Engineering Intern

Microsoft Azure May 2012 – Aug 2012
Software Development Engineering Intern

PUBLICATIONS

[9] **Danyang Zhuo**, Kaiyuan Zhang, Yibo Zhu, Hongqiang Harry Liu, Matthew Rockett, Arvind Krishnamurthy, Thomas E. Anderson. *Slim: OS Kernel Support for a Low-Overhead Container Overlay Network.* In Submission.

[8] Kaiyuan Zhang, **Danyang Zhuo**, Aditya Akella, Arvind Krishnamurthy, Xi Wang. *Design and Verification of Software Middleboxes using Gravel.* In Submission.

[7] Qiao Zhang, **Danyang Zhuo**, Vincent Liu, Petr Lapukhov, Simon Peter, Arvind Krishnamurthy, Thomas E. Anderson. *Volur: Concurrent Edge/Core Route Control in Data Center Networks.* arXiv, 2018.

[6] **Danyang Zhuo**, Monia Ghobadi, Ratul Mahajan, Klaus-Tycho Förster, Arvind Krishnamurthy and Thomas E. Anderson. *Understanding and Mitigating Packet Corruption in Data Center Networks.* In Proceedings of the Conference of the ACM Special Interest Group on Data Communication (SIGCOMM), 2017.

[5] **Danyang Zhuo**, Monia Ghobadi, Ratul Mahajan, Amar Phanishayee, Xuan Kelvin Zou, Hang Guan, Arvind Krishnamurthy and Thomas E. Anderson. *RAIL: A Case for Redundant Arrays of Inexpensive Links in Data Center Networks.* The 14th USENIX Symposium on Networked Systems Design and Implementation (NSDI), 2017.

[4] **Danyang Zhuo**, Qiao Zhang, Xin Yang, Vincent Liu. *Canaries in the Network.* The 15th ACM Workshop on Hot Topics in Networks (HotNets), 2016.

[3] **Danyang Zhuo**, Qiao Zhang, Vincent Liu, Arvind Krishnamurthy, Thomas E. Anderson. *Rack-level Congestion Control.* The 15th ACM Workshop on Hot Topics in Networks (HotNets), 2016.

[2] Vincent Liu, **Danyang Zhuo**, Simon Peter, Arvind Krishnamurthy and Thomas E. Anderson. *Subways: A Case for Redundant, Inexpensive Data Center Edge Links.* The 13th International Conference on emerging Networking EXperiments and Technologies (CoNEXT), 2015.

[1] **Danyang Zhuo**, Qiao Zhang, Dan Ports, Arvind Krishnamurthy, Thomas E. Anderson. *Machine Fault Tolerance for Reliable Datacenter Systems.* The 5th Asia-Pacific Workshop on Systems (APSys), 2014.

PATENTS

[1] Monia Ghobadi, Ratul Mahajan, Amar Phanishayee, **Danyang Zhuo**, Xuan Kelvin Zou. *Data Center Topology Having Multiple Classes of Reliability.* US Patent 20170302565A1. WIPO Patent 2017180450A1.

AWARDS

Madrona Prize Runner-Up, University of Washington - Seattle	2018
Hacherl Endowed Fellowship, University of Washington - Seattle	2013 – 2014
1st place in Undergraduate Math Contest, University of Illinois - Urbana Champaign	2011, 2013
E.C. Jordan Award, University of Illinois - Urbana Champaign	2013
Microsoft Scholarship	2012 – 2013
Daniel W. and Carol A. Dobberpuhl award, University of Illinois - Urbana Champaign	2012 – 2013
Ernest A. Tolli Memorial Scholarship, University of Illinois - Urbana Champaign	2012 – 2013
Ellery B. Paine Outstanding Junior Award, University of Illinois - Urbana Champaign	2012
Rank 146th in the William Lowell Putnam Mathematical Competition	2012

TEACHING EXPERIENCE

Introduction to Operating Systems (CSE 451) — Autumn 2017
University of Washington - Seattle
Teaching Assistant

Foundations of Computing I (CSE 311) — Autumn 2015
University of Washington - Seattle
Tutor

Introduction to Artificial Intelligence (CSE 473) — Spring 2015
University of Washington - Seattle
Tutor

Introduction to Computer Communication Networks (CSE 461) — Spring 2014
University of Washington - Seattle
Teaching Assistant

STUDENTS MENTORING

Kaiyuan Zhang (Ph.D.)	2017-2018
Samantha Miller (Ph.D.)	2018
Matthew Rockett (B.S./M.S.)	2017-2018
Shibin Xu (B.S.)	2018

SERVICE

Reviewer

IEEE Transactions on Cloud Computing	2018
IEEE/ACM Transactions on Networking	2017-2018
Journal of Network and Computer Applications	2017-2018

Department Service

UW CSE Graduate Admissions Committee	2017-2018

REFERENCES

Thomas E. Anderson
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Warren Francis and Wilma Kolm Bradley Chair

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