

Education

- **University of Pittsburgh** Pittsburgh, PA
Ph.D., Computer Engineering Jan. 2008 - Apr. 2012
– Research Area: *Computer Architecture, Emerging Memory/Storage Technologies*
- **Shanghai Jiao Tong University** Shanghai, China
M.S., Computer Science Sep. 2001 - Mar. 2004
- **Shanghai Jiao Tong University** Shanghai, China
B.S., Computer Science Sep. 1997 - Jul. 2001

Professional

- **Google (Mountain View, CA)**
System Integration Engineer, Google Assistant Sep. 2018 - Present
– Help strategic partners integrate Google Assistant/Chromecast in smart devices
– Successfully launched multiple smart speaker/TV/STB with built-in Google Assistant
- **Alibaba (Sunnyvale, CA)** Alibaba Infrastructure Service
Staff Engineer, Storage Architect Jul. 2016 - Aug. 2018
– Alibaba Open Channel SSD Project (Leader and Architect)
– Deployment of 3D XPoint Technology in Alibaba (Technical Leader)
– Strategic Analysis and Pathfinding
- **Intel (Folsom, CA)** NVM Solutions Group (NSG)
Senior Firmware Engineer Jan. 2013 - Jul. 2016
– 3D XPoint Product (Optane) Development
– NAND SSD Product Development (P3700, P4500)
- **Intel (Chandler, AZ)** Service Provider Division (SPD)
Senior Software Engineer Feb. 2012 - Jan. 2013
– Firmware/driver development, Streaming Media Driver
- **Intel (Shanghai)** Digital Home Group (DHG)
Software Engineer Oct. 2003 - Nov. 2007
– Stream Media Driver and Platform Software

Licenses and Certifications

- Google Cloud Certified - Professional Cloud Architect, Dec. 2019

Publications & Patents

- **Ping Zhou**, et. al “*Universal and automatic end-to-end testing of smart TVs*”, Technical Disclosure Commons (Invention Disclosure), Dec. 2019.
- **Ping Zhou**, et. al “*Alibaba Open Channel SSD for Next-Generation Data Centers*”, Flash Memory Summit (FMS), Aug. 2018.
- **Ping Zhou**, Bo Zhao, Youtao Zhang, Jun Yang “*Throughput Enhancement for Phase Change Memories*”, IEEE Transactions on Computers, DOI: 10.1109/TC.2013.76, Mar. 2013.
- **Ping Zhou**, Youtao Zhang, Jun Yang “*The Design of Sustainable Wireless Sensor Network Node using Solar Energy and Phase Change Memory*” (Poster), Design, Automation & Test in Europe (DATE), Mar. 2013.
- **Ping Zhou**, Bo Zhao, Youtao Zhang, Jun Yang, Yiran Chen “*MRAC: A Memristor-based Reconfigurable Framework for Adaptive Cache Replacement*” (Poster), The 20th International Conference on Parallel Architectures and Compilation Techniques (PACT), Oct. 2011.
- **Ping Zhou**, Yu Du, Youtao Zhang, Jun Yang, “*Fine-Grained QoS Scheduling for DRAM/PCM Hybrid Memory Systems*”, 2011 Non-Volatile Memories Workshop (Poster), March 2011.
- **Ping Zhou**, Yu Du, Youtao Zhang, Jun Yang, “*Fine-Grained QoS Scheduling for PCM-based Main Memory Systems*”, The 24th IEEE International Parallel & Distributed Processing Symposium (IPDPS-2010), April 2010.
- Benjamin Lee, **Ping Zhou**, Jun Yang, Youtao Zhang, Bo Zhao, Engin Ipek, Onur Mutlu, Doug Burger, “*Phase Change Technology and the Future of Main Memory*”, IEEE Micro, vol. 30, no. 1, pp. 143-143, Jan./Feb. 2010.
- **Ping Zhou**, Bo Zhao, Jun Yang, Youtao Zhang, “*Energy Reduction for STT-RAM Using Early Write Termination*”, IEEE/ACM 2009 International Conference on Computer-Aided Design (ICCAD-2009), pp. 264-268, November, 2009.
- **Ping Zhou**, Bo Zhao, Jun Yang, Youtao Zhang, “*A Durable and Energy Efficient Main Memory Using Phase Change Memory Technology*”, The 36th International Symposium on Computer Architecture (ISCA-2009), pp. 14-23, June, 2009.
- **Ping Zhou**, Bo Zhao, Yu Du, Yi Xu, Youtao Zhang, Jun Yang, Li Zhao, “*Frequent Value Compression in Packet-based NoC Architectures*”, The 14th Asia and South Pacific Design Automation Conference (ASP-DAC 2009), pp. 13-18, January 2009.

Professional Service Activities

- PC Member (Computer Systems), International Conference on Computer Design (ICCD), Nov. 2019.
- PC member (Computer Systems), International Conference on Computer Design (ICCD), Oct. 2018.
- PC member (Architecture), IEEE International Conference on Networking, Architecture, and Storage (NAS), Aug. 2015.
- PC member (Architecture), IEEE International Conference on Networking, Architecture, and Storage (NAS), Aug. 2014.
- Reviewer, IEEE Embedded Systems Letters (ESL), 2018, 2017, 2016, 2015, 2013