

# Yizhou Shan

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## RESEARCH INTERESTS

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Persistent memory, distributed datacenter system and operating system.

## EDUCATION

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**Purdue University** Aug 2016 - Present  
*Ph.D. student in Computer Engineering, ECE*

**University of Chinese Academy of Sciences** Aug 2014 - July 2016  
*Graduate Coursework in Computer Science*

**Beihang University** Aug 2010 - July 2014  
*B.S. in Computer Science, CS*

## RESEARCH EXPERIENCE

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**Disaggregated Operating System** Apr 2017 - Present  
*Purdue University*  
Design and implement a disaggregated operating system for emerging disaggregated data-center architecture

**Distributed Shared Persistent Memory** Aug 2016 - Apr 2017  
*Purdue University*  
Proposed the concept of distributed shared persistent memory. Designed and implemented Hotpot, an in-kernel distributed persistent memory system.

**NVM Emulator** Sep 2015 - Jan 2016  
*Institute of Computing Technology, Chinese Academy of Sciences*  
Designed and implemented a NVM emulator which leverages Intel performance monitoring unit to emulate the slower write and smaller bandwidth of NVM on real DRAM.

**ARMv8 CPU Project** Jun 2013 - Sep 2013  
*Institute of Computing Technology, Chinese Academy of Sciences*  
Participated in the RTL design and verification of some blocks within Load Store Unit(LSU).

## PUBLICATIONS

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Yizhou Shan, Shin-Yeh Tsai and Yiyang Zhang, "Distributed Shared Persistent Memory", to appear in SoCC'17