

**Hao Zhou**  
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**RESEARCH INTERESTS** Internet of Things (IoT), Applications of Machine Learning, GPGPU, Mobile and Wearable Computing

**EDUCATION** **The Pennsylvania State University**, State College, PA USA **August 2021 -**  
*Doctor of Philosophy in Computer Science and Engineering*

**University of Mississippi**, Oxford, MS USA **August 2019 - May 2021**  
*Master of Science in Computer Science*  
Cumulative GPA 4.0/4.0

*Bachelor of Science in Computer Science* **August 2016 - May 2019**  
Cumulative GPA 3.88/4.0

**North China University of Technology**, Beijing, China **August 2014 - May 2016**  
*Bachelor of Science in Computer Science*  
Cumulative GPA 92/100

**PUBLICATIONS** Learning on the Rings: Self-Supervised 3D Finger Motion Tracking using Wearable Sensors  
**Hao Zhou\***, Taiting Lu\*, Yilin Liu, Shijia Zhang, Mahanth Gowda  
ACM IMWUT 2022

DACHash: A Dynamic, Cache-Aware and Concurrent Hash Table on GPUs  
**Hao Zhou**, David Troendle, Byunghyun Jang  
(**Best Paper Award**)  
IEEE SBAC-PAD 2021

One-Class Model for Fabric Defect Detection  
**Hao Zhou**, Yixin Chen, David Troendle, Byunghyun Jang  
MLTEC 2021

Exploring Faster RCNN for Fabric Defect Detection  
**Hao Zhou**, Byunghyun Jang, Yixin Chen, David Troendle  
IEEE AI4I 2020

**EXPERIENCE** **The Pennsylvania State University**, State College, PA USA **August 2021 -**  
*Research Assistant*  
Advisor: Dr. Mahanth Gowda

**University of Mississippi**, Oxford, MS USA **August 2019 - May 2021**  
*Research Assistant, Heterogeneous Systems Research (HEROES) Lab*  
Advisor: Dr. Byunghyun Jang

**University of Mississippi**, Oxford, MS USA **Fall 2017 - Fall 2018**

*Undergraduate Research Assistant*  
*Advisor: Dr. H. Conrad Cunningham*

**University of Mississippi**, Oxford, MS USA **Fall 2018 - Fall 2019**  
*Teaching Assistant, Dept. of Computer and Information Science*

<b>HONORS &amp; AWARDS</b>	<i>Best Paper Award, SBAC-PAD 2021</i>	<b>Oct 2021</b>
	<i>Summa Cum Laude, University of Mississippi (UM)</i>	<b>May 2019</b>
	<i>International Undergraduate Student Scholarship, UM</i>	<b>Fall 2017 - Spring 2019</b>
	<i>National Scholarship for Exchange Student</i>	<b>2016</b>
	<i>National Scholarship, Ministry of Education of the People's Republic of China</i>	<b>2015</b>
	<i>Outstanding Freshmen, North China University of Technology</i>	<b>2014</b>

<b>COMPUTER SKILLS</b>	<b>Programming Languages</b>
	OpenCL, CUDA, C/C++, Python(Pytorch), Java and Haskell.

**Tools**  
Git, Eclipse, L<sup>A</sup>T<sub>E</sub>X.

<b>EXTRA- CURRICULAR ACTIVITIES</b>	<b>University of Mississippi</b>	
	<i>Member of the International &amp; American Student Alliance(IASA)</i>	<b>2016</b>
	<i>Leader of International Student Council of IASA</i>	<b>2016 - 2017</b>
	<i>Member of IASA Conversation Club</i>	<b>2016 - 2017</b>