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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

**HONORS &
AWARDS**

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