

# HAOMENG ZHANG

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## EDUCATION

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- Purdue University** Aug. 2023 – Now  
*Ph.D. in Computer Science* Overall GPA: **4.0/4.0**  
Research Topics: Vision and Language, 3D Vision
- University of Illinois at Urbana-Champaign (UIUC)** Aug. 2021 – May 2023  
*M.S. in Computer Science* Overall GPA: **4.0/4.0**  
Research Topics: Trajectory Prediction, 3D Visual Question Answering
- University of Michigan (UM)** Aug. 2019 – May 2021  
*B.S.E. in Data Science* Overall GPA: **3.96/4.0**  
Research Topics: Point Cloud Analysis, Autonomous Driving
- Shanghai Jiao Tong University (SJTU)** Sep. 2017 – Aug. 2021  
*B.S.E. in Electrical and Computer Engineering* Overall GPA: **3.79/4.0**  
Research Topics: Intelligent System, Autonomous Driving

## PUBLICATIONS

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- J. Zhang, **H. Zhang**, R. Vasudevan, M. Johnson-Roberson, “Hyperspherical Embedding for Point Cloud Completion”, *The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2023.
- H. Zhang**, S. Zhang, Y. Zhang, X. Huang and Y. Dai, “Abrasion Status Prediction with BP Neural Network Based on an Intelligent Tire System”, *The 4th CAA International Conference on Vehicular Control and Intelligence (CVCI)*, 2020, pp. 619-622, doi: 10.1109/CVCI51460.2020.9338547.

## TEACHING

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- Teaching Assistant of CS 47100 Introduction to Artificial Intelligence, Purdue, Fall 2023  
Teaching Assistant of CS 444 Deep Learning for Computer Vision, UIUC, Spring 2023  
Teaching Assistant of CS 441 Applied Machine Learning, UIUC, Fall 2022, Spring 2022, Fall 2021  
Teaching Assistant of VP 140 Physics I, SJTU, Summer 2019

## SELECTED AWARDS

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- Outstanding Graduate, Shanghai Municipal Education Commission, 2021.  
National Scholarship (Top 1%), Ministry of Education of China, 2019.  
James B. Angell Scholar, University of Michigan, 2021.  
Undergraduate Excellent Scholarship (Top 10%), Shanghai Jiao Tong University, 2018-2019.  
Outstanding Student, Shanghai Jiao Tong University, 2018.

## SKILLS

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- Programming Languages:** Python, C++, MATLAB, C, R, JavaScript, SQL  
**Library:** PyTorch, TensorFlow, OpenCV, ROS, PyQt5  
**Language:** English-proficient: TOEFL 111 (Speaking: 28), GRE 325 + 4.0 | Chinese-native