ZEKUN ZHANG

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☐ Education

- **Stony Brook University (SBU)** 08/2018 ∼ 11/2023
  Ph.D. candidate in Computer Science (Expected)
- **University of Science and Technology of China (USTC)** 08/2010 ∼ 06/2018
  B.S. in Chemistry, **M.E.** in Computer Science

☐ Experience

- **Research Assistant, Computer Vision Lab, SBU** 01/2019 ∼ Present
  Principal Investigator: Prof. Minh Hoai Nguyen
- **Reviewer for Computer Vision Conferences** 01/2019 ∼ Present
  Outstanding Reviewers Award of ICCV'21
- **Software Engineer Intern, Meta Platforms, Inc.** 07/2022 ∼ 09/2022
- **Research Assistant, Multi-Agent Systems Lab, USTC** 04/2015 ∼ 06/2018
  Principal Investigator: Prof. Xiaoping Chen

☐ Projects

- **Self-Supervised Scene Adaptive Object Detection** 10/2021 ∼ 02/2023
  Computer Vision Lab, SBU
  - high-precision and and robust framework for adapting pre-trained faster-RCNN object detector to unseen scenarios without manual annotation
  - a large scale and diverse video dataset for scene adaptive object detection
  - **Z. Zhang**, M. Hoai, *Object Detection with Self-Supervised Scene Adaptation*, CVPR'23
- **Instagram Reels Recommendation System Item Retrieval Model** 07/2022 ∼ 09/2022
  Instagram Reels Recommendation Team, New York
  - new training data sampling algorithms for item retrieval model
  - improved item quality and user engagement rates in online production A/B test
- **Exemplar Classifiers Based Video Event Prediction** 05/2020 ∼ 10/2021
  Computer Vision Lab, SBU
  - efficient and robust framework for exemplar classifiers training, calibration, and ensemble
  - apply exemplar classifiers on visual event prediction with few training sample
  - **Z. Zhang**, F. Koraishy, M. Hoai, *Exemplar-Based Early Event Prediction in Video*, BMVC'21
- **Multi-Camera Vision System** 01/2017 ∼ 01/2018
  Multi-Agent Systems Lab, USTC
  - 3D modeling using multiple jointly calibrated RGBD sensors
  - intelligent picking using orientations and shapes from 3D models
  - **Z. Zhang**, B. Tang, X. Chen, *Object manipulation system with multiple stereo cameras for logistics applications*, Journal of Computer Applications, 2018
- **RoboCup Competitions** 07/2015, 07/2016, 07/2017
  - as team member of WrightEagle, USTC: best manipulation award in RoboCup 2017, Nagoya, Japan; 3rd place of @Home league in RoboCup 2016, Leipzig, Germany; 1st place of BSR league, 2nd place of @Home league in RoboCup 2015, Hefei, China

☐ Skills

- Programming: Python, C/C++, familiar with: JavaScript, SQL
- Libraries: NumPy, scikit-learn, PyTorch, STL, ROS, PCL, openCV
- Tools: Linux, Git, LaTeX, Adobe Photoshop, Adobe Illustrator
- Languages: Chinese, English, Japanese