

ZHUOTUN ZHU

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INTERESTS

Computer Vision and Machine Learning

EDUCATIONS

Johns Hopkins University (JHU)

Sep 2016 – Present

Ph.D. in Computer Science

Advisor: Prof. Alan Yuille

University of California, Los Angeles (UCLA)

Sep 2015 – Sep 2016

M.S. in Statistics

Advisor: Prof. Alan Yuille

Thesis: ImageNet Classification with Complementary Networks

GPA: 3.8/4.0

Huazhong University of Science and Technology (HUST)

Sep 2011 – Jun 2015

B.Eng. in Electronics and Information Engineering

Advisor: Prof. Xiang Bai and Prof. Xinggang Wang

Thesis: 3D Shape Recognition via Deep Learning

Overall GPA: 91.66/100, Ranking 1/195

EXPERIENCE

Computational Cognition, Vision, and Learning (CCVL)

Sep 2016 - Present

Research Assistant

JHU, MD

- Focus on visual recognition and medical image analysis.

Center for Cognition, Vision, and Learning (CCVL)

Sep 2015 - Sep 2016

Research Assistant

UCLA, CA

- Focus on visual recognition.

Media and Communication Lab (MCLab)

Apr 2013 - June 2015

Research Assistant

HUST, Wuhan

- Devoted to object discovery, shape retrieval adopting techniques like multiple instance learning, deep learning.

Microsoft Research Asia Summer Camp

Aug 2014

Microsoft Young Fellow

MSRA, Beijing

- Gave presentation of my research project focusing on 3D shape retrieval accomplished in MCLab.
- Spokesman of the team (divided by the organizing committee to accomplish tasks).

INTERNSHIP

Microsoft Research, Redmond

Jun 2016 - Aug 2016

Research Intern

MSR, WA

- Worked with Baoyuan Wang on the blur estimation problem using deep learning framework on the Caffe platform.

ACADEMIC ACTIVITIES

Reviewer for the following conferences and journals:

AAAI 2018, 2017, 2016, NIPS 2015, CVPR 2015, PRL, Neurocomputing

PREPRINT

1. *Zhuotun Zhu*, Yingda Xia, Wei Shen, Elliot K. Fishman, Alan L. Yuille. A 3D Coarse-to-Fine Framework for Automatic Pancreas Segmentation. Submitted to CVPR 2018.

PUBLICATIONS

1. *Zhuotun Zhu*, Lingxi Xie, Alan L. Yuille. Object Recognition with and without Objects. **IJCAI**, 2017.
2. *Zhuotun Zhu*, Xinggang Wang, Song Bai, Cong Yao and Xiang Bai. Deep Learning Representation using Autoencoder for 3D Shape Retrieval. **Neurocomputing**, 2016.
3. Xinggang Wang*, *Zhuotun Zhu**, Cong Yao and Xiang Bai. Relaxed Multiple-Instance SVM with Application to Object Discover. **ICCV**, 2015. (* equal contribution)
4. Xiang Bai, Song Bai, *Zhuotun Zhu*, Longin Jan Latecki. 3D Shape Matching via Two Layer Coding. **TPAMI**, 2015.
5. *Zhuotun Zhu*, Xinggang Wang, Song Bai, Cong Yao and Xiang Bai. Deep Learning Representation using Autoencoder for 3D Shape Retrieval. **ICSPAC**, 2014.

SCHOLARSHIPS & AWARDS

1. Excellent Graduate Award, Jun 2015.
2. Young Microsoft Fellowship (**1%**), Jun 2014.
3. MediaTek Scholarship (**1%**), Apr 2014.
4. Outstanding Undergraduate Award (**2%**), Nov 2013.
5. National Scholarship (**1.5%**), Sep 2013 & Sep 2012.

SKILLS

Python, C/C++, MATLAB.