

# Yezhou Yang

Department of Computer Science  
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## Research Interests

Robotics, Computer Vision, Computational Linguistics, Machine Learning.

## Education

Ph.D. Student, Computer Science,  
University of Maryland College Park, 2010–present.

*Advisor* Professor Yiannis Aloimonos

B.Eng with Honors. Computer Science,  
Zhejiang University, China, 2006-2010.

*Advisor* Professor Mingli Song

## Academic Activities

Graduate Research Assistant, Computer Vision Lab, University of Maryland College Park, Working on combining language and vision in intelligent system. August 2010–present.

Teaching Assistant, Department of Computer Science, University of Maryland College Park, teaching Windows based and Linux based Operating Systems. August 2010–present.

Undergraduate Research Assistant, Visual Interaction and Perception Analysis group, Eagle Lab, Zhejiang University, Worked on visual attention analysis and its applications. August 2008–August 2010

Undergraduate Team Member, Robocup Humanoid team, National Key Lab of Control Technology, Zhejiang University, Worked on vision system for humanoid robots, including objects recognition, robots localization and linux based realtime vision system development. September 2007–August 2010

## Research

### *Conference Papers*

Xiaodong Yu, Ching L. Teo, **Yezhou Yang**, Cornelia Fermuller, Yiannis Aloimonos. Active Scene Recognition with Vision and Language. *Poster, 13th International Conference on Computer Vision, 2011.*

**Yezhou Yang\***, Ching L. Teo\*, Hal Daume III and Yiannis Aloimonos. Corpus-Guided Sentence Generation of Natural Images. *Oral, Conference on Empirical Methods in Natural Language Processing, EMNLP, 2011* (\* indicates equal contribution).

Ching L. Teo, **Yezhou Yang**, Hal Daume III, Cornelia Fermuller and Yiannis Aloimonos. A Corpus-Guided Framework for Robotic Visual Perception. *AAAI Workshop on Language-Action Tools for Cognitive Artificial Agents, 2011.*

**Yezhou Yang**, M. Song, J. Bu, C. Chen, C. Jin (2010). Color to Gray: Attention Preservation, *Fourth Pacific-Rim Symposium on Image and Video Technology 2010*.

**Yezhou Yang**, M. Song, N. Li, J. Bu, C, Chen (2010). What is the Chance of Happening: A New Way to Predict Where People Look, *European Conference on Computer Vision ECCV 2010*.

**Yezhou Yang**, M. Song, N. Li, J. Bu, C, Chen (2009). Visual attention analysis by pseudo gravitational field, *the seventeen ACM international conference on Multimedia 2009*.

## Teaching

### *University of Maryland, College Park*

Teaching Assistant of Prof. Neil Spring, Operating System (Undergraduate), Spring 2011.

Teaching Assistant of Prof. William Arbaugh, Operating System (Undergraduate), Fall 2010.

## Awards

Qualcomm innovation fellowship winner, 2011. The winning research was “Robots Need Language: A computational model for the integration of vision, language and action.”

Dean’s Fellowship, Computer Science Department, University of Maryland College Park, 2010 and 2011.

Excellent Undergraduate Thesis, Zhejiang University, China. Thesis: *Natural Image Statistics and Low Level Feature based Visual Attention Analysis*, September 2010.

Second Class Scholarship, Zhejiang University, March 2010

Microsoft Research Asia Young Researcher Scholarship, Microsoft Research Asia, May 2009.

First Class Scholarship, Zhejiang University, March 2008 and March 2009

Member of Championship team ZJUDancer, Robocup Chinaopen humanoid league, 2008, 2009 and 2010.

Member of the Top eight team ZJUDancer, Robocup World Cup humanoid league, 2009 and 2010.

## Graduated Courses Taken

Computational Linguistics I;

Machine Learning;

Computational Linguistics II;

Computer Processing of Pictorial Information;