YINGWEI LI

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Department of Electrical and Computer Engineering

University of California San Diego, La Jolla, CA 92093 USA

RESEARCH INTERESTS

activity recognition and event detection from video data; dynamic modeling; deep learning

EDUCATION

University of California, San Diego   *Sep 2014-present*
PhD student, Electrical and Computer Engineering
Statistical Visual Computing Lab (SVCL)
Advisor: Nuno Vasconcelos

University of Science and Technology of China (USTC)   *Sep 2010-Jul 2014*
BE, Electronic Engineering and Information Science
Overall GPA:4.02/4.3 Rank:2/133

MAJOR EXPERIENCE

Microsoft Research, Asia   Dec 2013-May 2014
Research Intern   *Beijing, China*

- Designed and implemented an indoor 3D map reconstruction system: Video on YouTube
- Input: RGBD data from Microsoft Kinect sensor
- Process I: Registration of consecutive frames by visual feature matching
- Process II: Globally optimize the pose graph and align large planes
- Process III: De-noise and re-assign color of 3D points.
- Output: Full-size 3D map of a large indoor scene.

University of California, Los Angeles   Jul 2013-Sep 2013
Research Intern   *Los Angeles, CA*

- Collected, cropped and aligned images of animals of different artistic styles and classes
- Designed a generative model based on patches of images to transfer visual knowledge on the patch
- Developed Matlab programs to learn and test the model on collected images

Family Album: A Tangible Interface for Photo Sharing   Oct 2012-Jun 2013
Core Team Member   *Hefei, China & Palo Alto,CA*

- A collaborative project between Stanford University and USTC, sponsored by Microsoft Research Asia: Video on YouTube
- Collaborated with seven other team members to complete the project
- Iterated through the whole process of product design: need-finding, benchmarking, prototyping and testing
- In charge of: embedded system programming for OCR and photo uploading, phone App development

TECHNICAL STRENGTHS

C, C++, Python, Matlab, SQL, Linux, LaTeX

SCHOLARSHIPS AND AWARDS

- Powell FellowShip   Sep 2014
- MSRA Excellent Internship Award (top 5%)   May 2014
- Guo Moruo Scholarship (the highest honor at USTC)   Oct 2013
- Scholarship of the Institute of Electronics, Chinese Academy of Science (top 5%) Oct 2012
- National Scholarship (the highest honor offered by Ministry of Education, P.R. China) Nov 2011