Junyuan (Eric) Xie

Tel: 1-206-265-1692
E-mail: eric.jy.xie@gmail.com

RESEARCH INTERESTS	Machine Learning and Deep Learning, with application to Vision and Speech.
EDUCATION	Ph.D. in Computer Science, **University of Washington**. 2013 - present Supervised by Ali Farhadi and Ross Girshick. Bachelor of Computer Science, **University of Science and Technology of China**. 2009 - 2013
INTERNSHIPS	Research Intern, **Microsoft Research Asia**. 2012 - 2013. Software Engineering Intern, Ph.D, **Google**. Summer, 2015.

PUBLICATIONS

- Junyuan Xie, Ross Girshick, Ali Farhadi, **Unsupervised Deep Embedding for Clustering Analysis**, arXiv:1511.06335.

- Junyuan Xie, Linli Xu, and Enhong Chen, **Image Denoising and Inpainting with Deep Neural Networks**, Advances in Neural Information Processing Systems (NIPS), 2012.

- Nicholas D. Lane, Junyuan Xie, Thomas Moscibroda, and Feng Zhao, **On the Feasibility of User De-anonymization from Shared Mobile Sensor Data**, in International Workshop on Sensing Applications on Mobile Phones (PhoneSense), at ACM SenSys, 2012.

RESEARCH EXPERIENCE

- **MXNet: Distributed Deep Learning Package with Dynamic Dataflow Dependency Scheduler**
  MXNet is an efficient and flexible deep learning framework that allows mixed symbolic and imperative programming. I am one of the major contributors.

- **Activity Recognition in Synthetic Biology Labs using Online Hybrid Deep Neural Networks/Dynamic Graphical Models**
  A system that use activity recognition to record and prevent human errors in synthetic biology experiments. 2014.

- **Video Subtitling with Speech Processing Technologies.**
  A software that use speech processing technologies to minimize human efforts in the video subtitling process. 2012.

- **Recommendation Systems for Online Dating Service.**
  A system for predicting users' preferences over dating partners given their profiles and click-through data. **National contest award winner.** 2011.

HONORS & AWARDS

- **100 Best Computer Science Students Award**, China Computer Federation, 2012

- **Outstanding Undergraduate Research Project Award**, University of Science and Technology of China, 2012

- **Google CodeJam top 1000 worldwide** in 2011.

- **3rd place** in National Data Mining Competition for College Students, Undergraduate Division, 2011

- **Bronze Medal** in iGEM (International Genetically Engineered Machine) Software Division, Massachusetts Institute of Technology, 2011

- **Several articles** published in national security magazine Hacker Defense, 2004.

SKILLS

- **Languages proficient in:** C/C++, Cuda, Python, Matlab, LaTeX.

- **Languages familiar with:** Lua.