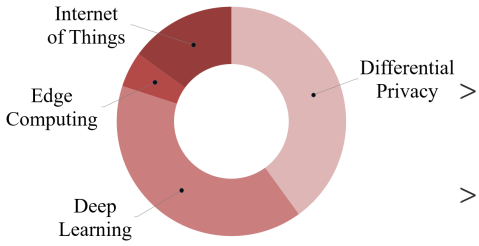
Danni YUAN

Objective: Ph.D. Course in Computer Science

19 March, 1996 +(86) 155-2957-2520 dnyuan@stu.xidian.edu.cn
No.2 South Taibai Road, Xi'an, Shaanxi, P. R. China, 710071

RESEARCH INTERESTS



> Optimizing privacy-preserving deep learning models through hyperparameters, such as learning rate adaption or weight initialization according to differential privacy

> Resolving the conflicts between model utility and data privacy in Internet of Things scenarios

> Building scalable privacy protection algorithms for deep learning models deployed on edge nodes

EDUCATION & AWARDS

SEP.2017 – JUL.2020 (EXPECTED)
M.S. in Communication and Information System (GPA:86.49/100)
School of Telecommunications Engineering
XIDIAN University, Xi'an, Shaanxi, P. R. China
Scholarship for excellent students(3 times)

AUG.2019 – FEB.2020
Visiting student in Emerging Networks and Systems Laboratory
Department of Information and Electronic Engineer
Muroran Institute of Technology, Muroran, Hokkaido, Japan

SEP.2013 – JUL.2017
B.S. in Electronic Science and Technology (GPA:3.5/4)
Department of Electronic and Information Engineering
Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu, P. R. China
Scholarship for excellent students(3 times)

SKILLS

- ⋆ **Python**
  - + Achieving collaborative deep learning to protect privacy of medical data with Pytorch
  - + Building RetinaNet | Yolov3 for pedestrian detection by Tensorflow
  - + Building ConvNets and Generative Adversarial Networks for intrusion detection by Tensorflow
- ⋆ **Reference Management**
  - + Using ReadCube Papers to collect, curate and annotate the research material
  - + Writing paper by Latex and familiar with commands

PUBLICATIONS

D. Yuan, X. Zhu, M. Wei, J. Ma, "Collaborative Deep Learning for Medical Image Analysis with Differential Privacy," in IEEE Global Communications Conference (Globecom) .IEEE, 9-13 December 2019 Waikoloa, HI, USA.

D. Yuan, X. Zhu, Y, Mao, B. Zheng, T. Wu, "Privacy-Preserving Pedestrian Detection for Smart City with Edge Computing," in International Conference on Wireless Communications and Signal Processing (WCSP) .IEEE, October 23-25, 2019, Xi'an, China.

D. Yuan, K. Ota, M. Dong, X. Zhu, T. Wu, L. Zhang, J. Ma, " Intrusion Detection for Smart Home Security Based on Data Augmentation with Edge Computing," in International Conference on Communications (ICC). IEEE, June 2020, Dublin, Ireland.(Submitted)