Wenjie Pei

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Educational Background	▪ 10/2013 – 10/2017 (expected) Delft University of Technology (**TU Delft**)
	PhD candidate in Pattern Recognition and Computer Vision Laboratory
	Co-Supervisors: Dr. David Tax (TU Delft),Dr. Laurens van der Maaten (Facebook AI Research)
	Research Area: Machine Learning, Computer Vision
	▪ 09/2011 – 08/2013 Eindhoven University of Technology (**TU/e**)
	Master of computer Science and Engineering (Ranked among top positions)
	Supervisor: Dr. Toon Calders
	Research Area: Data Mining
	▪ 09/2008 – 06/2011 Zhejiang University (**ZJU**) (top-3 university in China)
	Master of Computer Science and technology in State Key Lab of CAD&CG
	Co-Supervisors: Dr. Hujun Bao and Dr. Jin Huang
	Research topic: Consistent Visualization for Surface Vector Fields
	▪ 09/2004 – 06/2008 Shanghai JiaoTong University (**SJTU**) (top-5 university in China)
	Bachelor's degree of Computer Science & Engineering Ranked top 15%
	Bachelor's degree of Business Management
Research Interests	▪ Sequence modeling
	▪ Time series modeling
	▪ Attention Model
	▪ Recurrent Neural Networks
	▪ Deep Learning
	▪ Sequence-related applications, e.g, age estimation from facial videos
	▪ Object Detection
	▪ Person Re-Identification
Research Experience	▪ 07/2017 **CVPR Doctoral Consortium**
	Mentored by Dr. Kaiming He
	▪ 07/2016 – 12/2016 Carnegie Mellon University (**CMU**)
	Visiting Scholar in Language Technology Institute (LTI)
	Supervisors: Prof. Louis-Philippe Morency and Dr. Tadas Baltrušaitis
	Research topic: Temporal Attention-gated Model for Robust Sequence Classification
	▪ 03/2013 – 08/2013 Philips Research Eindhoven
	Master project & Reseach Internship.
	Research topic: Extracting good features to discriminate OSA and non-OSA subjects. (OSA: Obstructive Sleep Apnea)

Publications	
	▪ Yunqiang Li*, **Wenjie Pei***, Yufei Zha, Bing Chen, David M.J. Tax, Jan van Gemert. Shift-variant Dissimilarity Learning for Person Re-Identification. Submitted to **CVPR** 2018. (*Equal contribution)
	▪ **Wenjie Pei**, Hamdi Dibeklioğlu, Tadas Baltrušaitis and David M.J. Tax. Attended End-to-end Architecture for Age Estimation from Facial Expression Videos. Submitted to Transactions on Image Processing (**TIP**), 2017.
	▪ **Wenjie Pei***, Jie Yang*, Zhu Sun, Jie Zhang, Alessandro Bozzon and David MJ Tax. Interacting Attention-gated Recurrent Networks for Recommendation. Accepted by **CIKM** 2017. (*Equal contribution)
	▪ **Wenjie Pei**, Tadas Baltrušaitis, David M.J. Tax and Louis-Philippe Morency. Temporal Attentijon-Gated Model for Robust Sequence Classification. Accepted by **CVPR** 2017.
	▪ **Wenjie Pei**, Hamdi Dibeklioğlu, David MJ Tax and Laurens van der Maaten. Multivariate Time Series Classification using the Hidden-Unit Logistic Model. IEEE Transactions on Neural Networks and Learning Systems (**TNNLS**) 2017.
	▪ **Wenjie Pei**, David M.J. Tax and Laurens van der Maaten. Modeling Time Series Similarity with Siamese Recurrent Networks. **arXiv** 2016.
	▪ Hoang Thanh Lam, **Wenjie Pei**, Adriana Prado, Baptiste Jeudy, Élisa Fromont, Toon Calders. Mining Top-K Largest Tiles in a Data Stream . **ECML/PKDD** 2014.
	▪ **Wenjie Pei**. Extracting Features to Discriminate OSA and non-OSA. Master Thesis in **Philips Research Eindhoven** and **TU/e**.
	▪ Jin Huang, **Wenjie Pei**, Chunfeng Wen, Guoning Chen, Wei Chen, Hujun Bao. Output-Coherent Image-Space LIC for Surface Flow Visualization. **PacificVis** 2012.
	▪ Jin Huang, Muyang Zhang, **Wenjie Pei**, Hujun Bao. Controllable Highly Regular Triangulation, **CHINAGRAPH** 2010 and **SCIENCE CHINA** 2011.

Ongoing Research	
	▪ Object Detection
	▪ Unsupervised Learning for Sequence Data

Reviewer Experience	
	▪ **NIPS,** 2017
	▪ **Applied Soft Computing**, 2017
	▪ **TNNLS**, 2016

Scholarship and Awards		
	▪ 2011-2013 Talent Scholarship Program (TSP)	▪ **TU/e** & **Philips**
	▪ 2008-2011 First-grade Graduate Scholarship	▪ **ZJU**
	▪ 2006 Excellent Scholarship	▪ **SJTU**
	▪ 2004-2008 ZhaoJianjun Scholarship (only one in my department)	▪ **SJTU**

Programming	
	▪ Qualified with **Torch**, **C**, **C++**, **Java**, **OpenCV**, **OpenGL**, **GLSL**, **Qt**, **Matlab**, etc.