

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 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 & Research Internship.
Research topic: Extracting good features to discriminate OSA and non-OSA subjects. (OSA: Obstructive Sleep Apnea)

Publications

- 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.
- Wenjie Pei**, Tadas Baltrušaitis, David M.J. Tax and Louis-Philippe Morency. Temporal Attention-Gated Model for Robust Sequence Classification. Accepted by **CVPR** 2017.
- Wenjie Pei**, Hamdi Dibeklioglu, 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, Élisabeth 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.

Research Interests	<ul style="list-style-type: none">▪ Sequence modeling▪ Time series modeling▪ Attention Model▪ Recurrent Neural Networks▪ Deep Learning▪ Sequence-related applications, e.g, age estimation from facial videos▪ Object Detection	
Ongoing Research	<ul style="list-style-type: none">▪ End-to-end Architecture for Age Estimation from Facial Videos▪ Object Detection in Unmasking Way	
Reviewer Experience	<ul style="list-style-type: none">▪ NIPS 2017▪ Applied Soft Computing, 2017▪ TNNLS, 2016	
Scholarship and Awards	<ul style="list-style-type: none">▪ 2011-2013 Talent Scholarship Program (TSP)▪ 2008-2011 First-grade Graduate Scholarship▪ 2006 Excellent Scholarship▪ 2004-2008 ZhaoJianjun Scholarship (only one in my department)	<ul style="list-style-type: none">▪ TU/e & Philips▪ ZJU▪ SJTU▪ SJTU
Programming	<ul style="list-style-type: none">▪ Qualified with Torch, C, C++, Java, OpenCV, OpenGL, GLSL, Qt, Matlab, etc.	