XU Shijian

Contact Information

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Education

- **Nanjing University**, Nanjing, China 2014.09 – 2018.06
  B.Sc. in Computer Science and Technology
  National Elite Program
- **École polytechnique fédérale de Lausanne (EPFL)** 2020.09 – Current
  Master in Data Sciences

Research Experience

- DisneyResearch|Studios, Zürich, Switzerland 2022.02 – Current
  Single Image Super-Resolution
- VILAB@EPFL, Lausanne, Switzerland 2021.03 – 2021.12
  Evaluation of Self-Supervised Learning **Website**
  - propose an evaluation standard for measuring the effectiveness of self-supervised pre-training methods for transfer learning
- Tencent PCG, Shanghai, China 2021.07 – 2021.09
  Multi-Label Classification
  - transformer-based multi-label image classification
- Tencent AI Lab, Shenzhen, China 2020.02 – 2020.08
  Self-Supervised Representation Learning
  - self-supervised video classification and image classification
- City University of Hong Kong, HK SAR, China 2018.09 – 2019.12
  Single Image Specular Highlight Removal **Draft**
  - deep learning for image specular highlight removal

  Semi-supervised Single Image Heavy Rain Removal **Report**
  - adversarial learning for semi-supervised single image heavy rain removal
- Nanjing University, Nanjing, China 2015.09 – 2018.06
  Smartphone App Usage Prediction **Paper**
  - LSTM based model for app usage prediction and recommendation

Publication & preprint

- Simple Control Baselines for Evaluating Transfer Learning
  Andrei Atanov*, **Shijian Xu***, Onur Beker, Andrei Filatov, Amir Zamir
  arXiv, 2022
- Predicting Smartphone App Usage with Recurrent Neural Networks
  S. Xu, W. Li, X. Zhang, S. Gao, T. Zhan, Y. Zhao, W.-W. Zhu, T. Sun
  International Conference on Wireless Algorithms, Systems, and Applications, 2018.

Awards

- Second Prize of Excellent Bachelor Thesis Award, Nanjing University 2018
- Third Prize of Elite Program Scholarship, Nanjing University 2017
- Honorable Mention for MCM 2017, Nanjing University 2017
- Third Prize of People's Scholarship, Nanjing University 2016
- Second Prize of People's Scholarship, Nanjing University 2015

Personal Skills

- Programming Language: C, C++, Python, Matlab
- Operating System: Windows, Linux