

# Shijian Xu

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## Education

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- **EPFL** **Lausanne, Switzerland**  
M.Sc. in Data Science 09/2020 – 02/2023  
Thesis: Weight Averaging for Out-of-Distribution Generalization and Few-Shot Domain Adaptation  
Supervisor: Dr. Grigorios Chrysos & Prof. Volkan Cevher
- **Nanjing University** **Nanjing, China**  
B.Sc. in Computer Science and Technology 09/2014 – 06/2018  
Thesis: Predicting Smartphone App Usage with Recurrent Neural Networks  
Supervisor: Prof. Wenzhong Li

## Experience

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- **LIONS Lab, EPFL** **Lausanne, Switzerland**  
*Master Thesis, supervisor: Dr. Grigorios Chrysos & Prof. Volkan Cevher* 09/2022 – 02/2023  
Out-of-Distribution Generalization  
- Improved weight averaging based method for OOD generalization and few-shot domain adaptation
- **DisneyResearch|Studios** **Zürich, Switzerland**  
*Research Intern, mentor: Dr. Christopher Schroers & Dr. Abdelaziz Djelouah* 02/2022 – 08/2022  
- Image super-resolution
- **VILAB, EPFL** **Lausanne, Switzerland**  
*Semester Project, supervisor: Prof. Amir Zamir* 03/2021 – 12/2021  
Evaluation of Self-Supervised Learning  
- Proposed an evaluation standard for measuring the effectiveness of pre-training methods
- **Tencent PCG** **Shanghai, China**  
*Research Intern* 07/2021 – 09/2021  
- Transformer-based multi-label image classification
- **Tencent AI Lab** **Shenzhen, China**  
*Research Intern* 02/2020 – 08/2020  
- Self-supervised multi-modal video classification
- **City University of Hong Kong** **Hong Kong**  
*Researcher* 09/2018 – 12/2019  
- Deep learning for image specular highlight removal  
- Semi-supervised single image heavy rain removal
- **Nanjing University** **Nanjing, China**  
*Project Student, supervisor: Prof. Wenzhong Li* 09/2015 – 06/2018  
- LSTM based model for app usage prediction and recommendation

## Publications & Preprints

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- 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 (WASA), 2018

## Awards

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- 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

## Languages

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- **English:** Advanced
- **French:** Beginner, A1/A2
- **Chinese:** Native