

Fan Wu

☎ +86-189-0149-6210 · ✉ fanw6@illinois.edu · 🏠 kkkkahlua.github.io

EDUCATION

University of Illinois at Urbana-Champaign

Aug. 2020 –

Ph.D. in Computer Science

IL, US

- **Advisor:** Prof. Bo Li (👤 Secure Learning Lab)

Nanjing University

Sep. 2016 – Jul. 2020

B.S. in Computer Science

Jiangsu, China

- **GPA:** 94.0/100 **Rank:** 1/167 **TOEFL:** 113 **GRE:** 329+4.5

National University of Singapore

Jan. 2019 – May. 2019

University-sponsored Exchange Program

Kent Ridge, Singapore

PUBLICATIONS & DRAFTS

1. Boxin Wang*, **Fan Wu***, Yunhui Long*, Luka Rimanic, Ce Zhang, Bo Li. “DataLens: Scalable Privacy Preserving Training via Gradient Compression and Aggregation”, preprint [📄](#)
2. Ruoxi Jia, **Fan Wu**, Xuehui Sun, Jiachen Xu, David Dao, Bhavya Kailkhura, Ce Zhang, Bo Li, Dawn Song, “Scalability vs. Utility: Do We Have to Sacrifice One for the Other in Data Importance Quantification?”, accepted at *2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2021)* [📄](#)
3. (*Illinois Information Theory students (FA20)*) ..., **Fan Wu**, ..., Sourya Basu, Lav R. Varshney, “The Twelfefold Way of Non-Sequential Lossless Compression”, accepted at *2021 Data Compression Conference (DCC 2021)* as poster [📄](#)
4. (20 authors) Xupeng Miao, Nezihe Merve Gürel, Wentao Zhang, ..., **Fan Wu**, ..., Bin Cui, Ce Zhang, “DeGNN: Characterizing and Improving Graph Neural Networks with Graph Decomposition”, preprint [📄](#)
5. Zhen Zhang, **Fan Wu** and Wee Sun Lee, “Factor Graph Neural Network”, accepted at *the 34th Conference on Neural Information Processing Systems (NeurIPS 2020)* [📄](#) [📄](#)

TEACHING EXPERIENCE

1. UIUC CS 498 *Special Topics on Trustworthy Machine Learning* 2021 Spring
2. UIUC CS 598 *Special Topics on Adversarial Machine Learning* 2020 Fall

PROFESSIONAL SERVICES

1. Reviewer of *ICML 2021*, *CPVR 2021*
2. Organizer of *Workshop on Adversarial Machine Learning in Real-World Computer Vision Systems and Online Challenges (AML-CV) @ CVPR 2021* [📄](#)
3. Workflow Co-organizer of *Workshop on Security and Safety in Machine Learning Systems @ ICLR 2021* [📄](#)
4. Program Committee of *2nd Workshop on Adversarial Learning Methods for Machine Learning and Data Mining @ KDD 2020* [📄](#)

WORK EXPERIENCE

Google Information Technology (China) Co., Ltd.

Jul. 2018 – Sep. 2018

Engineering Practicum Intern

Shanghai, China

- Deprecated an obsolete backend storage service and migrated the backend to a new service
- Developed micro-services for indexing and searching videos.

SELECTED HONORS

2019 Google Code Jam to I/O for Women	top 3%
2018 China Collegiate Programming Contest of Girls	Gold Medal
2018 Jiangsu Collegiate Programming Contest	First Prize
The ACM-ICPC Asia Regional Contest (Nanning Site, Xi'an Site 2017)	Bronze Medal
National Scholarship (awarded to 0.2% of all students)	2017

MISCELLANEOUS

Languages Python, C, C++, Java, Shell script, \LaTeX , Markdown, Matlab
Frameworks & Packages PyTorch, TensorFlow, Scikit-Learn, NumPy, Hadoop