

# Shaopeng Fu

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## Education

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**The University of Sydney** **Sydney, Australia**  
*UBTECH Sydney Artificial Intelligence Centre* Oct. 2019 – Jan. 2021

### Master of Philosophy (Engineering and IT)

- My research interests were machine learning theory and trustworthy AI.
- **Supervisor:** Prof. Dacheng Tao
- **Thesis title:** Bayesian Inference Forgetting

**South China University of Technology** **Guangzhou, China**  
**BSc, Mathematics and Applied Mathematics** Sep. 2015 – Jun. 2019

- Former member of the competitive programming group affiliated to the school of computer science & engineering, supervised by Prof. Chuhua Xian.
- A **gold medalist** in ICPC Asia regional contest.
- GPA: 3.61/4.00; Rank: 6/46.
- Won **China National Scholarship** for two times (Nov. 2017 and Nov. 2018).

## Work Experience

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**King Abdullah University of Science and Technology** **Thuwal, Saudi Arabia**  
*Provable Responsible AI and Data Analytics (PRADA) Lab* May 2023 – Present

### Remote Research Intern

- My research topic is trustworthy AI.
- **Supervisor:** Prof. Di Wang

**JD.com, Inc.** **Beijing, China**  
*JD Explore Academy* Mar. 2021 – Jul. 2022

### Algorithm Engineer

- My research interest is trustworthy AI.
- Co-author of the *White Paper on Trustworthy Artificial Intelligence* ([CHN Ver.](#)) ([ENG Ver.](#)).
- Chief developer of **TAICore**, a trustworthy AI assessment toolkit powered by JD Explore Academy for assessing the robustness and privacy-preserving ability of white-box and black-box ML models.

**The University of Sydney** **Sydney, Australia**  
**Research Assistant** Oct. 2019 - Oct. 2020

- Working on trustworthy AI.

## Publications

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1. **Shaopeng Fu**, Fengxiang He, Yang Liu, Li Shen and Dacheng Tao. "Robust Unlearnable Examples: Protecting Data Against Adversarial Learning". International Conference on Learning Representation (ICLR), 2022.

2. **Shaopeng Fu\***, Fengxiang He\* and Dacheng Tao. "Knowledge Removal in Sampling-based Bayesian Inference". International Conference on Learning Representation (ICLR), 2022.
3. Zeke Xie, Fengxiang He, **Shaopeng Fu**, Issei Sato, Dacheng Tao and Masashi Sugiyama. "Artificial Neural Variability for Deep Learning: On Overfitting, Noise Memorization, and Catastrophic Forgetting". Neural Computation 33 (8), 2021.
4. Fengxiang He\*, **Shaopeng Fu\***, Bohan Wang\* and Dacheng Tao. "Robustness, Privacy, and Generalization of Adversarial Training". arXiv preprint arXiv:2012.13573, 2020.

## Selected Awards

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- International Collegiate Programming Contest (ICPC)
  - The ICPC Asia-East Continent Final Xi'an Site Silver Medal, Dec. 2018
  - The ICPC Asia Regional Contest Qingdao Site Silver Medal, Nov. 2018
  - The ICPC Asia Regional Contest Shenyang Site Gold Medal (Rank: 6/186), Oct. 2018
  - The ACM-ICPC Asia Regional Contest Xi'an Site Silver Medal, Oct. 2017
- 2017-2018 National Scholarship Ministry of Education of P.R. China, Nov. 2018
- 2016-2017 National Scholarship Ministry of Education of P.R. China, Nov. 2017

## Professional Services

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### Conference Reviewer

- International Conference on Machine Learning (ICML): 2022, 2023
- International Conference on Learning Representations (ICLR): 2022, 2023
- Conference on Neural Information Processing Systems (NeurIPS): 2021, 2022, 2023
- International Conference on Artificial Intelligence and Statistics (AISTATS): 2021

### Journal Reviewer

- IEEE Transactions on Cybernetics
- Neural Processing Letters

## Skills

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### Competitive Programming

- I enjoy solving algorithm problems. My [Codeforces](#) account is [fshp971](#).

### Languages

- Chinese: Mother tongue.
- English: TOEFL 93 (R/L/S/W: 26/24/22/21; Jun. 2018).

### Others

- C/C++, TeX, Markdown, Python, PyTorch, JAX, Linux, Arch Linux.