

Li-Yue Sun

Gender : Male,

Birthday : 19 November 1988,

Nationality : People's Republic of China

Research Interests : Neural Networks, Homomorphic Encryption, Data Mining and Machine Learning

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Status : I am available now. I used to be a third-year PhD student before I quit in May 2021.

Homepage : <https://scholar.google.com/citations?user=U78Tt8kAAAAJ>

EDUCATION & EXPERIENCE

University	Degree	Institute	Year	GPA
Jiaxing University	B.S.	Computer Science and Technology	2008.9 - 2012.6	~ 2.14/4
Took Chinese Postgraduate Admission Test three times			2012.6 - 2015.4	—
Tianjin University of Technology	M.S.	Computer Technology	2015.9 - 2018.3	88.53/100
Nankai University	Ph.D.	Computer Science and Technology	2018.9 - 2021.6	89.5/100
Left Nankai University after completing all the doctoral courses			2021.7 -	—

TECHNICAL SKILLS

- Programming Languages (C/C++, Python, Java, MatLab/Octave), Tools (TensorFlow, Eclipse, \LaTeX (TikZ), C++ project by Eclipse on Linux; MyEclipse for Java EE in Windows).
- My master's thesis aims to implement a website blog system with a search engine, by the SSH frameworks (Struts, Spring and Hibernate); My bachelor's is to implement a simple BBS website system via the MVC pattern (Model-View-Controller).
- When reading the book, *Programming Collective Intelligence*, I was fascinated with Genetic Programming, also read other books in English version: *Essential C++*, *C++ Primer* and *Introduction to Data Mining*.
- I also enjoy programming some small interesting applications: I implemented a calendar-generating program and packed it into an executable file for the Windows system, which is still in use to generate a calendar. <https://github.com/petitioner/Agenda>
- I have very decent maths scores twice (136, 137/150) in a closed-book form test with a full math score of 150 when I took the Chinese Postgraduate Admission Test four times. I also won a Second Prize in the Advanced Mathematics Competition at the province level (Zhejiang Province) in 2010.
- IELTS: 6.5 (Listening: 7.0 Reading: 7.5 Writing: 6.5 Speaking: 4.5) (first try on 2023Dec21st)
College English Test (CET-6): 518 (2015Dec)

RESEARCH WORK (first-author Preprints)

- *1st paper*: Privacy-Preserving Logistic Regression Training with A Faster Gradient Variant
<https://arxiv.org/abs/2201.12577>
- *2nd paper*: Volley Revolver: A Novel Matrix-Encoding Method for Privacy-Preserving Neural Networks (Inference)
<https://arxiv.org/abs/2201.12577>
- *3rd paper*: Privacy-Preserving CNN Training with Transfer Learning
<https://arxiv.org/abs/2304.03807>
<https://openreview.net/forum?id=c5Inzw6giM>
- *3rd paper*: Privacy-Preserving 3-Layer Neural Network Training
<https://arxiv.org/abs/2308.09531>