

Shuo Wang

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Education

University of Padua, PhD student in Computer Science Oct 2022 – present

- **Interest:** Computer Security, Machine Learning

East China Normal University, M.S. in Computer Technology Sept 2019 – Mar 2022

- **Coursework:** Signal and System, Principle of Compiling, Cyber graphics, Artificial Intelligence, etc.

Shandong University of Science and Technology, B.S. in Internet of Things Sept 2015 – Jun 2019

- **Coursework:** Operation System, Data Structure, Constitution Principle of Computer, Cyber networks, etc.

Awards

- The 42nd ACM-ICPC Asia Regional Competition (Qingdao) - Bronze Award
- 2016 ACM-ICPC China Final (Shanghai) - Bronze Award
- The 41st ACM-ICPC Asia Regional Competition (Qingdao) - Bronze Award
- "Inspur Cup" The 8th Shandong ACM College Student Programming Competition - Silver Award
- 2017 First Baidu Star Developer Competition - Outstanding Application Work Award
- CCF College Student Programming Competition (East China Division) - Silver Award

Experience

Software Engineer, Internship, Institute of Computing Technology, CAS, Beijing June 2021 – Aug 2021

- Read the code of the open source project openSSD and learn about the garbage collection mechanism in solid-state drives.
- Design the garbage collection mechanism, implement it in C language, and test it in actual SSD devices.

Publications

Evaporative Angle: A Generative Approach to Mitigate Jamming Attacks in DOA Estimation Sept 2024

Xu Saiqin, Alessandro Brighente, Mauro Conti, Baixiao Chen, *Shuo Wang*
10.1109/LWC.2024.3454108

Projects

Multi-target tracking Mar 2021 - Oct 2021

- Optimizing the feature extractor and matching method in the DeepSORT model.
- Integrating the target detection model and simple target tracking model.
- Tools Used: Python, Pytorch, QT5

Radio radar data analysis Mar 2020 - Nov 2020

- Design and develop the system with common signal processing methods (Fast Fourier transform, autocorrelation, etc.).
- Implementing various target tracking methods such as Kalman filtering and Hungarian algorithm.
- Tools Used: C/C++ , Matlab

Technologies

Languages: C/C++ , Python, Matlab, Java, R

Technologies: Ubuntu, Windows, Docker, Git, Markdown, etc.