Sizhe Wei

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No.800,Dongchuan Road,Minhang District,Shanghai 200240, China

🎓 Education

Shanghai Jiao Tong University (SJTU), Shanghai, China Sep 2017 – Jun 2021

Bachelor of Engineering in Dept. Electronic Engineering.
School of Electronic Information and Electrical Engineering.
Zhiyuan Honors Program of Engineering (An elite program for Top 5% students).
GPA: 85.203 / 100

★ Interests

My research interests lie in Explainable Artificial Intelligence (XAI), Machine Learning and Computer Vision.
I am adept at coding and I am open to exploring other interesting fields in AI.

👥 Experiences

Xtra Computing Group, National University of Singapore Jun 2019 – Sep 2019

Research Intern   Under the supervision of Prof. Bingsheng He

- In order to explain some unexplainable models in artificial intelligence, we use simple machine learning models such as weighted k-means to approximate the unexplainable models.
- We finished one demo and our method will give explanations in 4 different aspects.
- The result of our work will be submitted to KDD 2020.

📷 Selected Projects

Modular Real-time Video Based on Android Sep 2019 – Present

To better protect user privacy, we are working on a project of Real-time video communication with some protection options. We try to integrate image processing algorithms using deeplearning network (based on tensorflow) into Linphone, which is an Android Communication Software.

📖 Coursework

Mathematics Foundation: Mathematical Analysis(H), Physics(H), Linear Algebra, Discrete Mathematics, Probability and Statistics, Linear and Convex Optimization
Professional Courses: Thinking and Approach of Programming, Data Structures and Algorithms, Hardware Description Language and System Simulation, Electronics System Design Based on Android System, Machine Learning, Analog Electronic Technology, Signals and Systems, Data Mining

⚙ Skills

- Coding: Python, C/C++, MATLAB, VHDL
- Tools & Frameworks: LaTeX, Git, PyTorch
- Languages: English, Mandarin (Native)

ℹ Honors and Awards

Meritorious Winner, 2018 Interdisciplinary Contest In Modeling (Problem D)	2018
Zhiyuan Honors Scholarship of Shanghai Jiao Tong University (Top 5%)	2017, 2018, 2019
Academic Excellence Scholarship (Third-Class) of Shanghai Jiao Tong University (Top 20%)	2018, 2019

❤ Activities and Hobbies

- SJTU Chu Cai Program member (Top 45 students of Class 2021)
- SJTU Baidu club member
- Zhiyuan college basketball team member