

Yixin Liu

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EDUCATION

- South China University of Technology** Guangdong, China
 - BEng. - Software Engineering; GPA: 3.82/4.00; Ranking: Top4%;* *Sep 2018 - July 2022*
 - Courses: Principles of Compiler (98), Probability And Statistics (100), Calculus (97), Linear Algebra (94), Operating System (90), Artificial Intelligence (93), Algorithm Design and Analysis (91), Data Mining (91), Software design(91)*

PROJECTS

- Conditional Automated Channel Pruning for Deep Neural Networks:** We study the conditional pruning problem to conduct efficient network pruning under multiple compression rates. [PAPER] (Jun '21)
- Pests in the Nest, Under Arrest: A Hornet Sighting Report Evaluation System:** I lead the team to design a hornet sighting report system based on ML method and the paper achieve *Finalist* in 2021 MCM. [PAPER, PROOF](Apr '21)
- Bert-based Legal Judgment Document Amount Entity Extraction Model:** Design a system based on BERT to conduct amount entity extraction.[COPYRIGHT, DEMO] (Nov '20)
- Covid-19 Prediction Model based on Huber Regression and Hierarchical Feature:** Design hierarchical classification feature coding scheme and design algorithm based on Huber Regression. We achieve championship in this race. [TALK, RESULT] (Oct '20)
- Irreversible Point of Cartesian Sink:** We studied the related parameter about the Irreversible Point of Cartesian sinker and got third prize in 2020 SCUT Physics Experiment Competition. [PAPER] (Sep '20)

PUBLICATIONS

- Conditional Automated Channel Pruning for Deep Neural Networks:** Yixin Liu; Yong Guo; Jiaxin Guo; Luoqian Jiang; Jian Chen; IEEE SPL. June 2021.
- Priority Prediction of Sighting Report Using Machine Learning Methods:** Yixin Liu; Jiaxin Guo; Jieyang Dong; Luoqian Jiang; Haoyuan Ouyang; IEEE SEAI. April 2021.

HONORS AND AWARDS

- Outstanding Undergraduate Thesis - June, 2022 [**12/271**≈4%]
- National Scholarship ×2 - Sep, 2021/2022 [**1/71**≈1.4%]
- Finalist* at 2021 American Mathematical Contest in Modeling - April, 2021 [**284/10061**≈2.82%]
- Provincial First Prize* at Contemporary Undergraduate Mathematical Contest in Modeling - Oct, 2020
- Provincial Second Prize* at National Mathematics Competition for College Students - Oct, 2020
- Champion* at the 6th China Health Information Processing Conference (Evaluation 4) - Nov, 2020.
- Runner-up* at National Undergraduate Software Practice and Innovation Ability Competition - Nov, 2020.
- SCUT Premium Scholarship - Sep, 2019.

SKILLS/QUALIFICATION

- English:** CET-4(598) / CET-6(537) / TOEFL(83)
- Languages:** Python, C++, HTML, JS
- Frameworks:** Pytorch, Tensorflow, Flask, Keras, Huggingface
- Tools:** Docker, GIT, MySQL

ACADEMIC SERVICES

- KDD/ECCV/IJCAI (Sub)Reviewer, 2022