

Dongbai Li

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RESEARCH INTERESTS

Trustworthy AI, OOD generalization, Domain generalization, Stable learning

EDUCATION

Tsinghua University, Beijing, China
Department of Computer Science and Technology

9 2022 — Present
Cumulative GPA: 3.85

RESEARCH EXPERIENCE

Prof. Peng Cui's lab

Research intern

Department of Computer Science and Technology

3 2023 — Present

- **Domain Generalization**

Confirmed the presence of combinatorial effects in various UDA settings and offered guidance for environmental selection in scenarios where the cost of sample collection is significant. I contributed some ideas and conducted all the experiments in this work.

- **Stable Learning**

Enhanced the sample-reweighting approach in stable learning by incorporating a loss function to emphasize the training of challenging samples. I took charge of translating the conceptual framework into executable code, alongside curating datasets and crafting graphical representations.

PUBLICATIONS

- I haven't published any papers yet, but we are currently working towards publishing the aforementioned two projects at ICML 2024 and KDD 2024.

SKILLS

- **Programming:** C++, Python
- **Machine learning:** principles, model utilization, data processing and analysis
- **Deep learning:** Pytorch

SELECTED COURSES

- | | |
|---|----|
| • Fundamentals of Programming(C++) | A |
| • Programming and Training(Python) | A |
| • Discrete Mathematics for Computer Science | A- |

REFERENCES

Prof. Peng Cui

Associate Professor(Tenured), Department of Computer Science and Technology, Tsinghua University, Beijing, China

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Scholar Profiles: Personal Page — Google Scholar