# Yuzhe Shi（师宇哲）

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## EDUCATION

**Huazhong University of Science and Technology** *Sep 2018 - Jun 2022*

*Computer Science ACM Project, Mentored by Prof. Hai Jin, IEEE Fellow* *Wuhan, China*

- GPA: 90.32 / 100 (Top 10%)
- Honors/Awards: National Scholarship (2019), Top 1.5% of all students; Merit Student Scholarship (2019) , Top 5% of all students; Model Student of Academic Performance Scholarship (2019), Top 10% of all students.

## RESEARCH EXPERIENCE

**Visual and Learning Representation Group, HUST** *Sep 2019 - Jan 2020*

*Rearch Assistant* *Wuhan, China*

- I investigated over 100 papers on Deep Learning and Visual Object Tracking and made literature surveys.
- I carry out experiments by tuning some parameters of visual tracking algorithms and testing the algorithms on multiple benchmarks.

## SKILLS LIST

Solid Mathematical background (with all mathematical curriculums averaged at 95/100).

Skilled comprehension and writing in English.

Programming in C/C++, Python, Matlab.

## Academic Planning

I've been long thinking about artificial intelligence in the future, which is expected as robust and general and I know that deep learning architecture is insufficient. ABL inspires me and I'm convinced that future AI is hybird models like ABL, combining the merits of statictical learning and logical reasoning.

In my view, the ABL framework is a reciprocative model with a classifier supervised by knowledge base and a search-space-pruned logical abduction programmer. The learning process is much closer to the process of human recognition because human learns by trial-and-error instead of minimizes a derivative function.

Though there are state-of-the-art solutions on CV and NLP tasks, they rely on huge-scale data and computing power. Can we power the perceptive models with cognitive models? Take visual object detection for instance, can we improve a detector with mechanisms to "let it know its result is not consistent with background knowledge", i.e. let it be aware of its failure and make minimum calibration during testing stage?

At the head of 2020s, we are here standing at the cross of AI and I hope that I can track the frontier research for genuine General Artifitial Intelligence.