

Yifan Zhou

Beijing Institute of Technology, Haidian District, Beijing 100081, P. R. China

(+86)180-7011-1140 yifanzhou1107@gmail.com

<https://zhouyifan.net>

EDUCATION

TOEFL Score Total 94/120 Reading 26/30 Listening 25/30 Writing 22/30 Speaking 21/30

GRE Score Quantitative 170/170 Verbal 150/170 Analytical Writing 3.0/6

Beijing Institute of Technology(BIT), China

Sep 2017 – Jun 2021

Bachelor of Computer Science, GPA: 3.7/4.0

HONORS/AWARDS

- Outstanding Students of Beijing Institute of Technology (2019)
- The ACM-ICPC Asia Regional Contest Shenyang Site **Gold Medal** (2018)
- China Collegiate Programming Contest, Xiamen Site **Sliver Medal** (2019)

PUBLICATIONS

Yifan Zhou, Z.M., Janet K. Allen, Farrokh Mistree. On a Self-Tutoring System for Managing Students' Learning through Reflection on Doing, 2021 American Society for Engineering Education Annual Conference and Exposition(abstract accepted).

RESEARCH EXPERIENCE

Text Mining in Education

Sep 2020-present

Advisor: Prof. Janet K. Allen, Farrokh Mistree, The University of Oklahoma, US

- Aim to create a self-tutoring system which offers suggestions to students based on their input learning statements(a learning statement is a formatted triple(experience, learning, value)). The self-tutoring system calculates the semantic similarity between input learning statement and learning statements in database by using SBERT and gets results based on similarity.
- I proposed the idea and developed the program. I learned how to generate ideas that benefit others, implement the ideas through research and show my results to other researchers.
- The abstract of paper has been accepted by ASEE.

Radiance Reconstruction using Machine Learning

Apr 2020-Aug 2020

Advisor: Prof. Lei Zhang, Beijing Institute of Technology, China

- Based on a recent well-performed method, the research aims to improve the performance of two neural networks which adaptively reconstruct and sample the radiance of a scene to guide path tracing.
- I was responsible to reproduce the paper and propose new ideas. I learned how to search related papers in a specific area and read papers.

SKILLS/OTHERS

Computer Skills: C++, Java, Python, OpenGL, OpenCV, tensorflow

Interests: Game Design; Psychology; Video Producing; Animation Producing