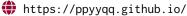
# Yongqian Peng

yqpeng@stu.pku.edu.cn





### **Education**

2021 – present

B.E., Artificial Intelligence (Honored Program), Yuanpei College, Peking University, China

Selected Courses

- 1. *Computer Science Courses:* Introduction to Computer Systems; Computer Network (Honor Track); Algorithm Design and Analysis (Honor Track);
- Artificial Intelligence Courses: Machine Learning; Early and Mid-Level Computer Vision; Natural Language Processing with Deep Learning; An Introduction to Robotics;
- 3. *Psychology Courses:* General Psychology; Social Psychology; Physiological Psychology;

2015 - 2021

**■** Sun Yat-sen Memorial Secondary School, China

#### Research

July.2023 - present

CoRe Lab, Institute for AI, Peking University, Advisor: Prof. Yixin Zhu

Research Interest: Computer Vision; Cognitive Reasoning; AI + Psychology;

## **Projects**

### **■** Probing Combinational Creativity in Generative Models

- Propose a unified, graph-based representation for modeling combinational creativity.
- Assess the capability gap between humans and machines in the domain of combinational creativity.
- Introduce a method to enhance machines' ability to generate combinational creative products.

#### Multi-agent Co-creation System Enhances Story Creativity

- Present evidence supporting the Blind Variation and Selective Retention (BVSR) theory's role in enhancing creativity.
- Develop a multi-agent co-creation storytelling system inspired by the BVSR theory to foster story creativity.

## **Skills**

Languages Reading, writing and speaking competencies in English, Mandarin Chinese, and Cantonese.

Coding Proficiency in Python, PyTorch, C++, LaTeX.

Web Dev Apache Web Server, Streamlit.

# Miscellaneous Experience

### **Awards and Achievements**

First Prize in the Senior Group of the National Olympiad in Informatics in Provinces, China Computer Federation (CCF).

Joint Entrance Examination to Chinese Universities for Overseas Chinese Students and Students from Hong Kong, Macao and Taiwan: Top 1, Ministry of Education of the People's Republic of China

The Third Prize Scholarship, Peking University.

■ Model Student of Academic Records, Peking University.