

HENGKAI TAN (BERNARD TAN)

Tsinghua University

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♥ Beijing



EDUCATION

Bachelor in Computer Science and Technology

Tsinghua University

📅 Sep.2019 – Present

GPA: 3.87/4.00 (42/207)

GPA in math courses: 4.00/4.00

Major GPA: 3.92/4.00

I have received an A or A+ grade in a total of 27 courses.

PROJECTS

Tianshou

GitHub Stars: 5.8k

📅 2021

- An elegant PyTorch deep reinforcement learning library.
- Implemented BCQPolicy and CQLPolicy and reproduced the benchmark.
- Created a unit test for offline RL and implemented some example programs for offline reinforcement learning in Tianshou.

GANSketching_Jittor

GitHub Stars: 10

📅 December 2021

- A high-performance implementation of *Sketch Your Own GAN* in **Jittor**. It takes in one or a few hand-drawn sketches and customizes an off-the-shelf GAN to match the input sketch.
- Outperformed the original work in terms of performance.

HUAWEI-NET-ACCESS

GitHub Stars: 2

📅 March 2021 - May 2021

- An web-based system that provides network services to the smallweb-based and micro enterprises.

EDUKG Education Service

Based on OpenEduKG

📅 August 2021

- An Android application that provides elementary education services based on the knowledge graph.

ACHIEVEMENT



National Olympiad in Informatics 2018, Silver Medal
No.84

INTERNSHIP EXPERIENCE

ByteDance

Game-AI-Reinforcement Learning

📅 Jun.2022-Sep.2022

- Optimize the game AI on a large-scale computing cluster with over ten thousand cores and hundreds of graphics cards and provide reliable, powerful, and multi-style AI players for the game.
- Reduced AI training resource consumption by 30% while maintaining the same or higher level of strength, and enabling the AI to adapt to more styles of opponents.

SCHOLARSHIPS

Scholarship of Academic Excellence

Top 10% in THU-CST

📅 2021

📍 Tsinghua University

Scholarship of "Interested in Reading"

📅 2021

📍 Tsinghua University

SKILLS

C++, Python, Java, JavaScript, Verilog, etc.

NumPy, PyTorch, CUDA, MPI, Jittor

LaTeX, Markdown

Software Engineering

INTERESTS

Piano, Classical Music

Movie

Go

Football, Billiard, Bowling, Tennis, Ultimate

History, Military, World Geography

LEADERSHIP EXPERIENCE

Class Leader

EXTRACURRICULAR

Member of the Science Association
of the Department of THU-CST

Member of THU-Skyworks