

饮水思源



爱国荣校

### I ♥ SJTU

On April 9, 2023, the championship competition of the 8th China International "Internet +" College Student Innovation and Entrepreneurship Competition was held at the Huxi Campus of Chongqing University. Yuan Jiajun, member of the Political Bureau of the Central Committee and Secretary of the Chongqing Municipal Party Committee, Huai Jinpeng, Secretary of the Party Group and Minister of the Ministry of Education, Wu Yan, member of the Party Group and Vice Minister of the Ministry of Education, Li Mingqing, Deputy Secretary of the Chongqing Municipal Party Committee, Luo Lin and Zhang Anjiang, leaders of Chongqing, Xie Heping, director of the Expert Committee for the Selection of the "Three Teaching Awards" and academician of the Chinese Academy of Engineering, attended the conference. The competition.

The international project recommended by Shanghai Jiaotong University from Carnegie Mellon University and guided by Jin Cheng, an overseas returning teacher of the School of Biomedical Engineering of our university, stood out from 3.4 million projects in 111 countries and regions and 4554 colleges and universities at home and abroad (only 2 international projects were selected) and won the grand runner-up. This is the first time that the Shanghai Division has made a breakthrough in the international project of the main track.



### "Internet +" championship competition scene



The international project recommended by our school participates in the championship competition roadshow

Shanghai Jiaotong University attaches great importance to the organization of the "Internet +" competition and the recommendation of international projects, and has set up a working leading group led by school leaders and composed of various functional departments and departments. Through "superior coverage" and "key follow-up", the International Cooperation and Exchange Office, various departments and units have sent invitations to more than 100 colleges and universities around the world, and finally 45 international projects were recommended by our school. As the secretariat of the working group, the Student Innovation Center arranges special personnel to connect with various projects, and organizes multi-angle and all-round project polishing and simulation roadshows. In the end, the international projects recommended by Shanghai Jiaotong University in this competition won 6 gold medals, 2 silver medals and 2 bronze medals, creating the best results since the participation of the international projects recommended by our school and Shanghai, and making outstanding contributions to the overall goal of "more international" of the competition.

During the championship competition of this competition, the 4th Teaching Master Award, Outstanding Teaching Award and Innovation and Entrepreneurship Talent Award Ceremony was also held, as well as the first World Young College Student Entrepreneurship Forum, College Student Innovation and Entrepreneurship Achievement Exhibition and other simultaneous activities. Famous experts and scholars of innovation and entrepreneurship education, representatives of outstanding entrepreneurs, and previous major events were invited. The champion and representatives of famous overseas schools participate and exchange experience.



### Introduction to the third runner-up project

**Ecancer** China International College Students' "Internet+" Innovation and Entrepreneurship Competition

**A Clinical-level AI System for Diagnosis and Treatment Evaluation of Rectal Cancer**

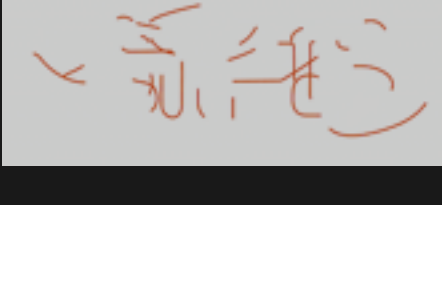
Participating (Cross) Graduate Creative Group

团队成员 Heng Yu, Shivam Duggal, Joel Julin, Jiang LIU et al.

(University, Carnegie Mellon University, Stanford University, Shanghai Jiaotong University, Shanghai Jiao Tong University)

**Project introduction:** This project is aimed at the three major pain points in the diagnosis and treatment of rectal cancer, that is, whether the new adjuvant treatment achieves complete pathological remission, whether immunotherapy achieves complete pathological remission, and whether to perform retention anal surgery. It uses federated learning to integrate the full-dimensional data of patients in multiple medical institutions to develop a clinical-level AI system. Based on Carnegie Mellon University and Stanford University, the development of the project has received close attention and careful guidance from Maximilian Diehn, a world-renowned radiation oncologist, and Yang Guangzhong, a member of the Royal Academy of Engineering. At present, medical AI studios have been established in Silicon Valley and Shanghai, and have carried out in-depth industry-university-research cooperation with many hospitals and cancer research centers at home and abroad. The project results have been focused on by more than a dozen mainstream media in the world, such as Reuters, Google and CCTV; Nature Communication has been downloaded nearly 10,000 times; the AI system has achieved excellent results in the clinical tests of the Sixth Affiliated Hospital of Sun Yat-sen University. It has aroused widespread praise from the society.

**Team Leader:** Heng Yu  
**Team members:** Jiang Liu, Shivam Duggal, Joel Julin  
**Instructor:** Cheng Jin



Source | Student Innovation Center

Editor in charge | Jin Xue Shu Tianchu

### Recommended reading

- 100 million! Jiaotong University once again received a donation from Cheng Minghe School Board
- It's really interesting to make friends!
- "It's not the outstanding who dream, but the good dreamer who is outstanding"
- In 20 years, 640 computer "strongest brains" and "chief leaders" in this class of Jiaotong University joined hands to surpass
- People's Daily Focus | Shanghai Jiaotong University builds high-precision ideological and political courses

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