CNAI widely used in education

Cloud Native & Artificial Intelligence, CNAI, are the most critical technology trends today. Cloud Native technology provides a scalable and reliable platform for running applications. Given recent advances in AI and Machine Learning, it is steadily rising as a dominant cloud workload. We want to explore more possibilities that CNAI is widely used in education.

CL **by Chen Lin**

Software Engineer in VMware by Broadcom

Member of Kubernetes

Why should we focus on CNAI education for kids?

Challenges For Cloud Native Artificial Intelligence: Education for Kids

- Focus on traditional programming languages without AI

- Don't teach the use of AI coding assistance technologies

- Dissuade students from using AI technologies, due to concerns about cheating

ⓘ Cloud Native Artificial Intelligence White paper, March 20th 2024

Rapid Development: AI in China

Embracing AI in School Classroom

- In Beijing, 25 experimental schools targeting at AI assistance in Education area

- Undergraduate/graduate students are encouraged to use AI applications in their homework

After-School Classes

- Programmable robots

- drones

- Python

- AI block programming

- …

AI software

- Analyze kids performance, identify areas for improvement, and provide tailored feedback and guidance

- Assistants and chatbots can serve as interactive learning companions

AI in School Classroom

25 AI experimental schools in Beijing — *2024.5.23*

Beijing Wenhui primary School 文汇小学

Beijing Xinxian Hutong Primary School 新鲜胡同小学

Beijing Baijiazhuang Primary School 白家庄小学

Beijing Zhongguancun No.1 Primary School 中关村第一小学

Beijing Zhongguancun No.3 Primary School 中关村第三小学

Beijing No.2 Middle School 北京市第二中学

Beijing No.11 High School 北京市十一学校

Beijing No.12 High School 北京市第十二中学

Beijing No.13 High School 北京市第十三中学

Beijing No.15 High School 北京市第十五中学

Beijing No.18 High School 北京市第十八中学

Beijing No.20 High School 北京市第二十中学

Beijing No.80 High School 北京市第八十中学

The branch of Beijing No.161 High School 第一六一中学分校

Beijing No.171 High School 第一七一中学

Beijing Yuying Middle School 育英中学

Beijing Renhe Middle School 仁和中学

Beijing Hongzhi Middle School 宏志中学

Beijing Guangqumen Middle School 广渠门中学

Beijing No.5 Middle School Education 五中教育集团

Fengtai No.2 Middle School of Fengtai District 丰台区第二中学

Experimental School of Beijing Ritan High School 日坛中学实验学校

Beijing Institute of Technology Experimental School
北京理工大学附属实验学校

The Experimental High School Attached to Beijing Normal University
北京师范大学附属实验中学

The High School Affiliated To Beijing International Studies University
北京第二外国语学院附属中学

AI in Classroom

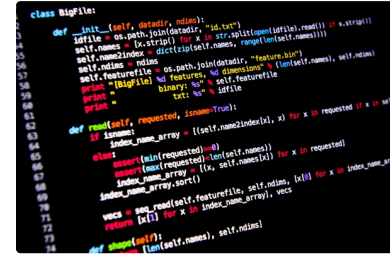| Students aged 6 to 18	Students aged 18+
• Primary School • Middle School • High School	• Undergraduate • Graduate
Teacher Asisstance: • Homework assignment and correcting • Online answer questions • Teaching management & analysis **Students self-learning:** • English listening&speaking	**LLM:** • Chatgpt, ERNIE Bot, Doubao, Kimi, Qianwen **Specialized Courses:** • Copilot, Tabby, BIM **AIGC Detection:** • copyleaks
25 experimental Schools, 30+ AI products from 8 companies Iterations every half year	Full access to AI products Teacher will recommend to use AI tool like Copilot

After School Classes

3-4 years old

LEGO Camps and Programs

7~16 years old

Drones

Scratch/AI block Programming

1	2	3	4

5~12 years old

Coding Robots

10~16 years old

Python/C++ Programming

AI Software

Most of AI applications in appstore for young children are still driven by their schoolwork, aiming to get a better score
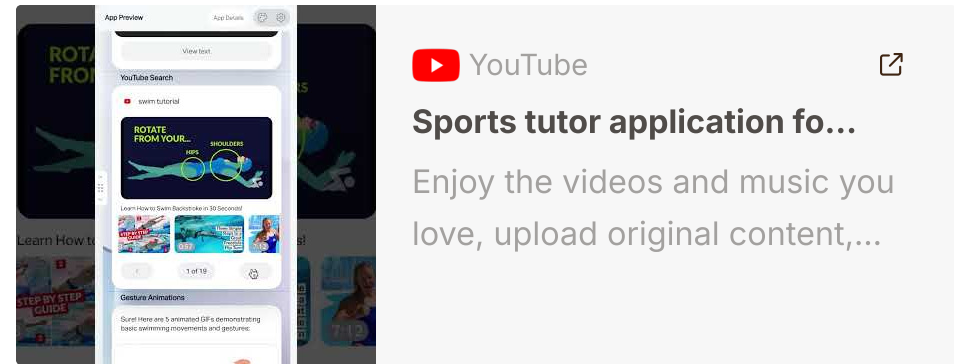
SchoolWork Assistant

- Help students review knowledge that they didn't fully understand in school.

- Analyze the weak point of students, customize the assignment

- Correct homework

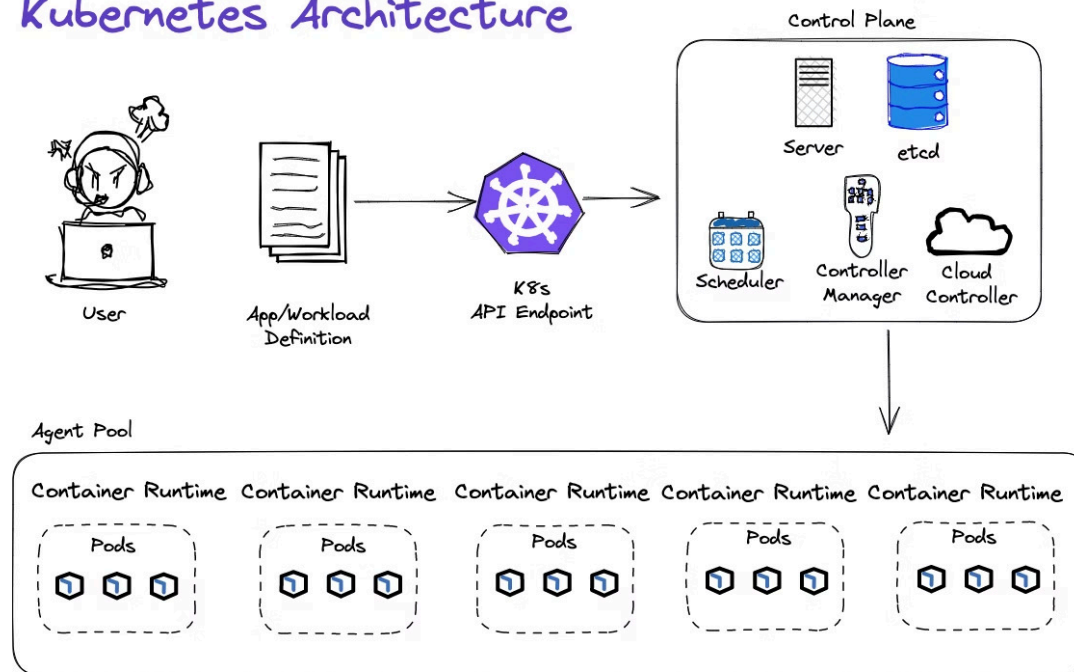## Can AI play more important role in children's growth process?

- Interests

- Self-Learning Ability

- Answer questions anytime

Demo: Sports Tutor Application for kids

▶ **YouTube**

Sports tutor application fo...

Enjoy the videos and music you love, upload original content,...

Cloud Native for kids

Kubernetes Architecture is natively moduled. Kids can draw a basic picture of Cloud Native by classifying all components

Creative Thinking

Encourages kids to think creatively and analyze information. Develop kids self-learning ability

Collaboration

CNAI encourages kids to work together on projects, fostering teamwork and problem-solving.

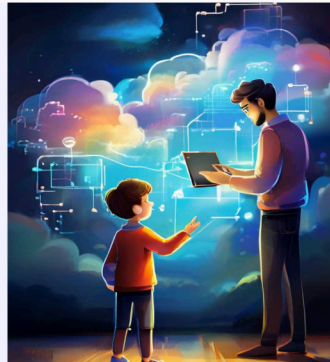# Join us!

Slack

 # cnai-for-kids

Website

https://cnaiforkids.tech

🗔 cnaiforkids.tech

Cloud Native AI for Education

Empowering the next generation with Cloud Native plus AI technology. Learn More

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