

## **Is ChatGPT your frenemy?**

By: Karess Melanie

Arizona welcomed Po-Shen Loh, the all-around math professor from Carnegie Mellon, on Sunday. A wide range of people, from college students to elementary school children, became enlightened on ChatGPT, artificial intelligence, and an innovative approach to teaching mathematics thanks to Loh.

The competitive math program called Math Counts is what sparked his mathematics journey after being approached by equations he didn't know how to solve. Now he is making his way around the country delivering a speech on “How to Survive the ChatGPT Invasion ” until he returns to Pittsburg to teach.

Loh founded an online math class inspired by the streaming platform Twitch to help engage students which he says is the solution to the shortage of math teachers,

The professors in the courses are high school students who were trained by actors to learn improvisational comedy to become a “brilliant person who smiles” said Loh.

The concept was to turn a math lesson into a talk show, with professionally trained actors serving as theater coaches in the classroom, ensuring that students are involved in the criteria.

But, how?

The actors turn off their cameras during class but keep them turned on during a separate Zoom session with the professors to assist them in entertaining their students through facial and verbal communication.

“The main thing that was missing is that bond between teacher and student, and the professors on education model (Live) is definitely going to help a lot of students in Arizona,” said 10th grader Vismey.

The professor advised adults and people who are employed to sign up for ChatGpt and ask the artificial intelligence a question about their occupation, as a means to see what is to come.

The best way to prepare for a “technology takeover” is to find a way to be useful, “Don't just look at the world to extract value from but look at the world to create value in, contribute value to,” said Loh.

As artificial intelligence advances, it will have an impact on students and workers, yet not everyone is anti-AI.

I met with a research and development engineer who doesn't consider AI as a threat to her job, but she is “concerned about new generations who will grow up with this technology,” said Janet Jessie.

Tristan, a high school student, says ChatGPT can assist him in applying for college and using his career in the majors he is interested in.

“Chat GPT is the biggest thing to hit our world in the last 20 years said Loh,” Loh said.

Loh progressed from believing ChatGPT wouldn't last a day to pushing it to its limitations in order to fully comprehend its capabilities.

He came up with a math question the algorithm had never seen before, he asked it to solve to find the largest fraction less than  $\frac{1}{2}$  with a numerator and denominator that are positive integers less than or equal to 10,000.

The chatbot wasn't able to grasp the arithmetic of the question therefore apologizing for its incapability to find the correct answer.

“We have to learn how to think harder, the world has changed, spend time learning how to think.”