STEM Webinar Sessions

July Sessions

July 27th, 2020

CALTEACH
AT UC MERCED

2020
BOBCAT SUMMER STEM
ACADEMY
VIRTUAL EDITION

Presenter: Miaomiao Liu

Video object detection based on artificial intelligence techniques

Continuous and real-time object detection in video is essential for many mobile applications, like traffic monitoring and augmented reality (AR). For example, real-time warnings can be sent to road users automatically by a camera installed on top of a highway road if any reckless driving maneuvers are detected. AR-based videos are promising in many applications, such as tourism, navigation and entertainment, which require to detect and track objects in videos on mobile devices continuously and in real time. Deep learning and computer vision techniques have shown superior performance in object detection. I will introduce how these artificial intelligences can be leveraged in video processing systems.

About the Presenter:

Miaomiao is a second-year computer science PhD student at University of California, Merced. Her research interests lie in the areas of system and networking, computer vision, machine learning and internet of things. She also serve as the teaching assistant at computer science and engineering department.

Who is the webinar session open to?

K-5 (Elementary school), Grades 6th-8th (Middle School), Grades 9th-12th (High School), Teacher, Community members, Undergrads

When is the session:

- **July 27th: 3pm to 4pm**

How can you register?

Zoom Registration Link Below:

https://ucmerced.zoom.us/meeting/register/tJUpdO2gqz8qE9QpLFhS_aZlWK_NgUQXkIka