

Cybersecurity Education Using Interactive Storytelling with Social Robots



Challenge:

- Online threads are making children vulnerable to online risks
- Lack of comprehensive cybersecurity education curricula, or material that is **engaging** for elementary aged students

Solution:

- Iteratively develop interactive stories on key cybersecurity topics that are engaging for students
- Prototype interactive stories using a social robot



Scientific Impact:

Demonstrated that storytelling is a viable means to advancing student learning by taking complex ideas and presenting them in simpler and actionable steps

Broader Impact and Broader Participation:

Engaging students with cybersecurity education at an early age is essential for enhancing awareness, exploring future career opportunities, and broadening participation in computing

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