**Chinese School - Introduction to Cyber Security and AI (9th Grade & Up)**

This course aims to introduce students to the fundamental concepts of cybersecurity, machine learning, and Artificial Intelligence (AI). It is designed as a series of interactive discussions with extensive hands-on labs to help students develop a practical understanding of how these concepts can be applied to solve real-world problems:

- Describe what is Artificial Intelligence, its use cases, how it will transform our lives
- Explain terms like Machine Learning, Deep Learning, and Neural Networks
- Gain a fundamental understanding of AI tools, datasets and frameworks
- Perform AI-powered vulnerability scanning
- Utilize Google AI- assisted hacking techniques

**SUNY Albany - CYBR 301 Exploring New Horizons in Cybersecurity (3)**

Once you complete the Introduction to Cybersecurity and AI course at the Chinese school and if you're passionate about continuing to learn more, you're welcome to sign up for my CYBR301 course at SUNY Albany. CYBR 301 Exploring New Horizons in Cybersecurity course helps students understand contemporary challenges in the field through a systems science framework. The course explores emerging technologies—such as Artificial Intelligence, Cloud Computing, Big Data, and Social Media—and examines their impact on cybersecurity environments. Emphasizing real-world applications, the course highlights how these technologies are transforming emergency preparedness, homeland security, and cybersecurity practices. It also focuses on promoting responsible and well-informed digital citizenship in today's rapidly evolving digital landscape.

Upon successful completion of this course, students will be able to:

- Describe the Cybersecurity field in their own words
- Analyze progression of research, knowledge, and practice in Cybersecurity
- Identify and predict trends in Cybersecurity
- Examine possible impacts of those trends to business, education, and government
- Recognize and demonstrate what it means to be a responsible digital citizen
- Summarize technical concepts in a plain and succinct manner
- Evaluate the reputability of information gathered from a wide variety of sources
- Demonstrate systems approach in executing open ended creative projects
- Interface, collaborate and engage asynchronously in an online learning environment