

# HUXLEY Westemeier HAS INTEGRITY

By Elliott Hazzard

Huxley Westemeier ('26) has always been fascinated by technology. After being home-schooled for 10 years, he came to SPA as a 10th grader.

"I've always been interested in problem-solving," he said, "I really got into computer science during the pandemic and applied mathematics as well."

He has created several computer programs throughout high school, including Integrity, an AI image detection platform, and Enkrypticom, an encryption code that helps users store larger files with less space on a device.

Enkrypticom, which Westemeier found the most interesting to create, won the youth 2025 MN Cup for startups sponsored by the University of Minnesota and competed at the International Science & Engineering Fair (ISEF) in 2024.

"(Enkrypticom) was a really fun project because designing an encryption algorithm kind of from scratch, but to kind of combine compression and encryption into one little package was just a really fun challenge," he said.

Through creating Enkrypticom, Westemeier learned about business models and how to develop a product that people would buy and invest in.

This led to the development of Westemeier's AI image detection algorithm called Integrity. Integrity was highly successful, winning five awards at the 2025 ISEF Conference, including a spot at the Taiwan International Science Fair, which hosts high school students from over 30 countries. Westemeier was also named a Davidson Fellow and awarded a scholarship for his work.

Throughout the development and presentation of Integrity, Westemeier learned valuable lessons in networking and project design. "It's been really helpful to learn the best way to present your work with the actual researchers in the field," he said.

Looking ahead, Westemeier has continued to develop his startup company (LoudBarkSoftware) and his current two projects. He is still gaining traction among the STEM community and is adapting his software for everyday use.

"I hope to release Integrity as a Chrome/browser extension, so that anyone on the internet can use it to flag manipulated content during their browsing session."

He hopes to study applied mathematics in college, bringing his skills outside of the classroom to develop algorithms. "I want to build elegant, powerful solutions to everyday problems!"



Director of Computer Science and Robotics Kate Lockwood said, "Huxley has really great ideas, he works super hard on his projects, and he's super creative in the way he thinks of applying technology to solve problems."



**LOCKED IN.** In the photo, Huxley Westemeier is working at home on his computer. "I really got into computer science during the pandemic."  
PHOTO: Huxley Westemeier

Learn more about Huxley's programs and awards in Thomas Chen's video at RubicOnline



**PRACTICE MAKES PERFECT** Before the Regeneron International Science and Engineering Fair (ISEF), to the right, Huxley practices his Quad Chart presentation in the design lab.  
PHOTO: Huxley Westemeier

**ABOVE AND BEYOND.** In 2025, Huxley went to ISEF in Columbus, OH, and won a second-place Grand Award medal for his integrity AI detecting program.  
PHOTO: Huxley Westemeier



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