

Stephen Martino

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🔗 stephenjmartino • in stephen-martino

Education

- **Siena College** **Loudonville, NY**
B.S. Applied Physics GPA: 3.66/ 4.0 *Expected May 2024*
- **Clarkson University** **Schenectady, NY**
M.S. Mechanical Engineering via 4-1 Program *Expected May 2025*

Experience

- **Urban Industrial Design** **Albany, NY**
Carpenter *July 2020 - February 2021*
Machine Learning for Defensive Cyber Operations
 - Combined above technologies in DARPA's SHEATH program, using the evolutionary fuzzing techniques in a sandboxed hypervisor to successfully detect trojans on network interface cards. Publication resulted from the work.
- **Siena College VIPER Radio Telescope** **Loudonville, NY**
Physics Summer Research *May 2021-July 2021*
 - Reverse engineered a fault test generator for data extraction and integrated it into an industrial ethereum blockchain
- **Siena College School of Science Office** **Loudonville, NY**
Student Administrator *August 2020 - Present*
 - Employed structured prediction to exploit geospatial relationships of prediction targets for higher accuracy

Projects

- **Woodworking**
2014 - Present
 - Creating complex and modifiable statistical models for all NFL players from 1956-2020 to facilitate hyper-realistic game play between teams from different eras
- **3D Printing**
2017 - Present
 - Created a test bed with the data for testing the latest GAN models and also experimenting with novel GAN approaches to image and natural language coherence across panels
 - Experienced with Autodesk Inventor, Autodesk Meshmixer, and Ultimaker Cura
- **Personal Website**
2021 - Present
 - Created a personal portfolio website by coding in HTML. stephenjmartino.com

Skills

- **Technical Skills:**
 - *Coding Languages and Softwares*
 - AutoCAD (including Autodesk Inventor, Ultimaker Cura, and Autodesk Meshmixer), Java, Python, Git, HTML, CSS, LaTeX, Linux, Microsoft Office Suite, Docker, 3D Printing
- **Carpentry Skills**
 - *Wide range of carpentry skills. See website for examples and projects*

Selected Coursework

- Calculus 3, Statics, Modern Physics, Electronics, Computer Science 110, Intro to Data Analysis, Intro to Engineering