Stephen J. Martino

📞 (518) 588-9577 • ✉ smartino787@gmail.com • 🌐 www.stephenjmartino.com

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

Siena College Physics and Engineering Department   **Loudonville, NY**
Director of 3D Printer Maintenance   *September 2021 - Present*
- Manage Siena College 3D printing lab
- Maintain printers, diagnose problems, research solutions, and employ troubleshooting skills to solve problems
- Train upper class engineering students on 3D Printing and associated software

Siena College VIPER Radio Telescope   **Loudonville, NY**
Physics Summer Research Scientist   *May 2021-July 2021*
- Worked on a radio telescope that lacked the ability to obtain data from the receiver on the dish
- Built a control box for the receiver of the radio telescope, connected a series of amplifiers that took 120 volt flow and transformed it to a usable 12 volts, and connected the receiver to a computer allowing users to control the telescope remotely

Siena College School of Science Office   **Loudonville, NY**
Student Administrator   *August 2020 - Present*
- Interacted on a professional level with faculty, staff, and administrators of the college and developed interpersonal skills

Urban Industrial Design   **Albany, NY**
Carpenter   *July 2020 - February 2021*
- Machined boards of lumber to create floating shelves. Packaged them and prepared them to be shipped
- Learned different woodworking techniques and built upon prior knowledge of other fabrication skills
- Gained experience pertaining to workplace rules, safety, efficiency, and running a small business

Skills

Technical Skills:
Coding Languages and Software
- AutoCAD, Autodesk Inventor, Solidworks, Ultimaker Cura, and Autodesk Meshmixer, Java, Python, Git, HTML, CSS, LaTeX, Linux, Matlab, Microsoft Office Suite, Docker, 3D Printing, Arduino, Google Colab

Projects

Personal Website
2021 - Present
- Created a personal portfolio website using HTML, and customized a template to reflect engineering and woodworking experience.

3D Printing
2017 - Present
- Used Autodesk Inventor to create 3D models, Autodesk Meshmixer to edit already existing 3D models, and Ultimaker Cura to employ different settings for how the 3D model was to be printed
- Designed and constructed a printer enclosure to keep constant temperature and humidity, and modified the Creality CR-10

Woodworking
2014 - Present
- Constructed a workshop, accumulated tools and lumber, and created many personal projects such as: epoxy river coffee table, tv stand, wooden American flags, cuttings boards, stools and other furniture
- Built projects for customers such as: a custom office desk, drawer, and shelving unit, fireplace mantle, Adirondack chair

Selected Coursework

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