

# Stephen Martino

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## 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*
  - Took boards of lumber and employed many woodworking skills to create floating shelves. Packaged them and prepared them to be shipped. Gained a lot of experience pertaining to workplace rules, safety, and environment
- **Siena College VIPER Radio Telescope** **Loudonville, NY**  
*Physics Summer Research* *May 2021-July 2021*
  - Built a control box for the receiver of a radio telescope. Connected a series of amplifiers that took 120 volt flow and transformed it down to a usable 12 volts. Utilized TV cable to connect the control box to the receiver mounted on the telescope. This allowed for remote use of the telescope
  - Used an Arduino for multiple applications on the project. They include: a temperature sensor and fan to prevent overheating in the control box, and an angle sensor to identify the angle that the telescope dish was facing
- **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, answered phones, sorted mail, assisted Faculty, and gained responsibility and personable skills.
  - Sorted purchase orders, organized chemical safety sheets for chemicals that the college ordered for laboratory use, and updated hazard signs outside of each laboratory to indicate harmful characteristics about the lab setting

## Projects

- **Woodworking**  
*2014 - Present*
  - Accumulated many tools and lumber, built a workshop out of an unused part of my basement, and created many projects that either inspire me or challenge me.
  - Built many projects for family or friends who hired me to build something custom for them.
- **3D Printing**  
*2017 - Present*
  - Used Autodesk Inventor to create 3D models, used Autodesk Meshmixer to edit already existing 3D models, and used Ultimaker Cura to employ different settings for how the 3D model was to be printed.
  - Built an enclosure to keep constant temperature and humidity during printing operations. Made many modifications for my Creality CR-10, whether those were paid upgrades or 3D printed upgrades.
- **Personal Website**  
*2021 - Present*
  - Created a personal portfolio website by coding in HTML. Took a template and customized it to reflect my experience in the engineering and woodworking field. [stephenjmartino.com](http://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, Portainer, 3D Printing, Google Colab
  - **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