

Stephen J. Martino

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Education

- **Siena College** **Loudonville, NY**
B.S. Applied Physics GPA: 3.50/ 4.0 *Expected May 2024*
- **Clarkson University** **Schenectady, NY**
M.S. Mechanical Engineering via 4-1 Program *Expected May 2025*

Experience

- **FuzeHub** **Albany, NY**
Solutions Program Intern *June 2022-Present*
 - Utilized Solidworks to create a product for a company-wide event, started from scratch, and went from design to mass production
 - Created a tutorial video series for manufacturers to utilize in obtaining classification credentials to be a viable match to startups
 - Automated existing processes to improve efficiency in acquiring necessary data to more effectively match startups to manufacturers in their area
 - Participated in client assessment calls, collaborated with colleagues to match the client to the best fitting manufacturers
 - Visited local manufacturers to obtain first-hand knowledge of their facilities and capabilities
- **Siena College Physics and Engineering Department** **Loudonville, NY**
Introduction to Engineering TA *January 2022 - Present*
 - Assist professor in teaching the fundamental principles of engineering
 - Train and mentor students on using 3D printers, laser engraver, table saw, and many other carpentry tools*Director of Siena College 3D Printing and Laser Engraving Lab* *September 2021 - Present*
 - Maintain printers and laser engraver, diagnose problems, research solutions, and employ troubleshooting skills
 - Train upper class engineering students on 3D printing, laser engraving, 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** **Loudonville, NY**
Admissions Content Strategist *December 2021 - Present*
 - Present engineering and 3D printing concepts to accepted students and their parents, answer questions, and represent the college*Student Administrator* *August 2020 - Present*
 - Interact on a professional level with faculty, staff, and administrators of the college
- **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
 - Gained experience pertaining to workplace rules, safety, efficiency, and running a small business

Skills

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

Projects

- **Personal Website** *2021 - Present*
 - Created a personal portfolio website using HTML code to reflect engineering and woodworking experience
 - Used website as an exhibit for all wood projects and as a display for woodworking business
- **3D Printing** *2017-Present*
 - Used Autodesk Inventor to create 3D models, Autodesk Meshmixer to edit already existing 3D models, and Ultimaker Cura to configure different settings for how the 3D model was to be printed
 - 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 to develop skills
 - Started a small woodworking business to build projects for customers