

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
 - 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, Autodesk Inventor, Ultimaker Cura, Autodesk Meshmixer, HTML, LaTeX, 3D Printing, Matlab
 - Solidworks, Git, CSS, Linux, Docker, Arduino, Google Colab, Microsoft Office Suite, SketchUp, Google Workspace

Projects

- **Personal Website** *2021 - Present*
 - Created a personal portfolio website using HTML code to reflect engineering and woodworking experience
- **3D Printing** *2017-Present*
 - Used Inventor to create 3D models, Meshmixer to edit already existing 3D models, and 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