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*
- 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
- Created a tutorial video series for manufacturers to utilize in obtaining crucial classification credentials in order to be a viable match with startups

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 Lab — *September 2021 - Present*
- 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 — **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