

Jake Stern (he/him)
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Lafayette College, Easton, PA
Primary Residence, Armonk, NY

EDUCATION

Lafayette College, Easton, PA
Bachelor of Science in Mechanical Engineering, Minor in Mathematics

Degree Expected May 2023
GPA: 3.18

ACADEMIC HONORS

Dean's List

SKILLS

Computer: Microsoft Office Suite, Adobe Photoshop, Adobe Illustrator, Autodesk AutoCAD, Autodesk Fusion 360, SketchUp, Google Workspace, 3D Printing, Proficient in MATLAB and R.

RELEVANT EXPERIENCE

Mojo Stumer Associates, Greenvale, NY Summer 2022
Intern: Worked closely with residential and commercial clients to design homes, offices, and retail spaces that were highly optimized in terms of both design and functionality. Created 3D renderings to assist in visualization of various design options. Worked in tandem with Project Managers and local building departments to ensure feasibility during the design process.

NASA Ames, Silicon Valley, CA Winter 2022
Extern: Worked with a team researching how to capture then process data from using high speed videography and unsteady pressure sensitive paint (uPSP) on models during wind tunnel testing. Completed a research project documenting how different forms of ground testing, including uPSP, could be used to overcome aerodynamic challenges persisting to launch vehicles.

Claris Design Build, Newtown, CT Summer 2021
Intern: Made revisions to existing CAD drawings based on client feedback and interactions. Created CAD drawings for existing buildings by measuring in the field. Photographed and documented construction progress. Verified building plans were code compliant. Created templates to improve efficiency in the office and allowed employees to get started on projects faster which was made possible by the reduction in set up time.

Alan Margolin & Associates, New York, NY Winter 2021
Intern: Assisted inspectors on building walkthroughs and helped with in-office tasks such as finding relevant information within building plans and cross-referencing information with NYC building codes. Ensured plans were formatted and organized correctly before meetings to maximize time spent with clients.

ADDITIONAL EXPERIENCE

LogicPrep, Westchester, NY Summer 2019
Administrative Assistant: Generated unique test-preparation content for students. Added content into an XML database so students could have unique worksheets and practice tests generated that would target their weak points to improve their performance on standardized tests. Organized client files. Identified individualized gifts for alumni and assisted with route planning and deliveries for these gifts.

Zaniac Learning, Greenwich, NY September 2017-July 2019
Instructor: Taught elementary school students the fundamentals of 3D printing, architecture, and coding. Designed and printed our own projects. Bolstered a community learning environment where students could build off each other, share ideas, and work together to solve complex problems.

The Bristal, Armonk, NY September 2017-July 2019
Program Founder: Founded a volunteer-based program for high school students to work with residents of the Bristal Assisted Living Home to help introduce them to the internet and computers. Taught basic computer competency which allowed the residents to stay connected with friends and family as well as keep up to date with news.