

Dagny Lott

(484) 502-8013 | dlott@seas.upenn.edu | <https://dagnylott.com>

Rising sophomore taking a year off from college to acquire real-world experience;
Seeking an internship for the spring and/or summer of 2021. Have immediate availability.

EDUCATION

University of Pennsylvania | Philadelphia, PA May 2024

B.S.E. Candidate in Mechanical Engineering and Applied Mechanics

Minor: Computer Science

GPA: 3.88/4.00

Relevant Courses: Intro to Scientific Computing (MATLAB) • Intro to Mechanical Design • Multivariable

Strath Haven High School | Wallingford, PA

June 2019

- *WSESPA Scholarship (2019)* - Faculty chose one senior who greatly impacted the school atmosphere
- *Michael Francis Award (2019)* - Players on the girl's basketball team nominated a senior who showed dedication to the program, a strong desire to improve, and a positive attitude

Relevant Courses: Linear Algebra • Auto Lab • Wood Tech

WORK EXPERIENCE

Temple Allen Industries, Mechanical Engineer Intern | Rockville, MD Aug - Dec 2020

- Developed new system prototype to automate the turbine blade sanding process for large client. As lead designer, I generated CAD models, identified requirements, and produced marketing material
- Generated SolidWorks models & drawings for a system that would validate new, million dollar subsystems and software
- Spearheaded the design and construction of test fixtures for pneumatic and electro-pneumatic parts

Swarthmore Swim Club | Swarthmore, PA

Sub-Assistant Manager

Summer 2020

- Managed over 10 lifeguards, office, and snack-bar employees during 8-hour shifts
- Frequently monitored chlorination system and jump-started pool filter

Lifeguard & Swim Instructor

Summer 2016 - 2020

- Earned Red Cross Lifeguard Certification (expires May 2021)
- Taught private and group swim lessons to beginners, intermediate, and advanced swimmers

Water Show Director

Summer 2017 & 2018

- Produced the local pool's annual musical for two consecutive years
- Organized three or more weekly practices to demo and rehearse the choreography with groups of kids
- Orchestrated two dress rehearsals of over 35 kids/staff members and delegated tasks to pool employees
- Created script, music playlist, props, costumes, and a theatrical set

LEADERSHIP & ACTIVITIES

Penn Women's Ultimate Frisbee Club (A Team) Sep 2019 - Present

Strath Haven Emergency Response Team, Member

Jan 2017 - June 2019

- Conducted fire and lock down drills, responded to bomb threats, facilitated annual mock crash, helped organize yearly Red Cross blood drive

Strath Haven National Honors Society, Vice President

Nov 2017 - June 2019

Strath Haven Ultimate Frisbee, Captain

May 2017 - June 2019

Photography

June 2017 - Jan 2019

- Published "Floating Photographer" column in local newspaper every other month
- Photographed the Eagle's halftime show (2017) and high school graduation ceremonies

SKILLS & INTERESTS

Skills: SolidWorks, MATLAB, Java, HTML, CSS, JavaScript, Laser Cutting, Machine Tools, Arduino Boards, Soldering, Adobe Photoshop

Interests: Ultimate Frisbee, Small Farming, Board Games