

Dagny Lott

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

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 Calculus • Linear Algebra • Auto Lab • Wood Tech

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

WORK EXPERIENCE

Temple Allen Industries, Mechanical Engineer Intern | Rockville, MD August 2020 - Present

- Lead the design of prototype for key industry clients: generate SolidWorks models, renders, BOM, identify requirements, and produce marketing material
- Generate SolidWorks models and drawings for a system that will validate new, million dollar subsystems and software
- Design and construct test fixtures for pneumatic air cylinders

Swarthmore Swim Club | Swarthmore, PA

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 half time show (2017) and high school graduation ceremonies

SKILLS & INTERESTS

Skills: SolidWorks, MATLAB, Java, Laser Cutting, Machine Tools, Arduino Boards, Soldering, Microsoft Office, Adobe Photoshop

Interests: Ultimate Frisbee, Farming, Board Games, Rollerblading