

# 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

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**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

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

- Lead the design of prototype for key industry clients: generated SolidWorks models, renders, identified requirements, and produced marketing material
- Generated SolidWorks models and drawings for a system that will validate new, million dollar subsystems and software
- Designed and constructed test fixtures for pneumatic air cylinders

**Swarthmore Swim Club** | Swarthmore, PA

*Assistant Manager* Partial 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

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**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

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

**Interests:** Ultimate Frisbee, Farming, Board Games, Rollerblading