

# Sofia Rose Segalla

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## EDUCATION

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### University of Pennsylvania

*School of Engineering and Applied Science:* BAS in Computer Science

*The Wharton School:* Minor in Engineering Entrepreneurship

### Greens Farms Academy (GFA)

Graduated with a Concentration in Global Studies

Philadelphia, PA

May 2025

Westport, CT

June 2021

## RELEVANT COURSEWORK AND SKILLS

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**Computer Skills:** Working knowledge of Java, Python, C | Basic knowledge of SQL, JavaScript, HTML

### Computer Science:

- Ethical Algorithms Design | Human Computer Interaction | Market and Social Systems of the Internet

### Physics:

- Principles I & II | Data Analysis of the Natural Sciences: Fundamentals

### Management:

- Venture Capital and Entrepreneurial Management | Digital Marketing and Electronic Commerce | Technological Innovation and Entrepreneurship

## EXPERIENCE

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### Engineering Entrepreneurship Fellows Program, Philadelphia, PA

Spring 2023 – Fall 2024

One of 12 students selected for a work-study program to develop entrepreneurship skills in creating, scaling, and leading principled high-growth technology ventures.

### McLaren Racing, *Software Engineer Intern*, Woking, United Kingdom

Summer 2023

Part of McLaren's IndyCar Software Team. Worked on developing software platforms to be faster and more usable. Additional research on weather data modeling using machine learning. Presented findings at end of internship. Also volunteer race strategist for two Formula 1 races.

### CIS 1100 – Introduction to Programming, *Teaching Assistant*, Philadelphia, PA

Spring 2022 – Present

Teach a weekly recitation to 22 students on topics covered in lecture. Run weekly office hours. Grade homework and help with modifications to programs. One of 3 freshman to receive position out of more than 30 applicants.

### Riverside Yacht Club and Noroton Yacht Club, *Sailing Coach*, Norwalk, CT

Summer 2021, 2022

Instructed 20 8–9-year-olds in the mornings from 8am-12pm and run "Fun Friday" events and activities as well as lesson plans. In the afternoon, coached 13–16-year-old competition sailors.

### Special Olympics of Connecticut, *Coach/Volunteer*, Riverside, CT

Summer 2017 – 2022

Took adults with intellectual disabilities on afternoon sails, with occasional regattas on the weekends.

## ATHLETICS

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### University of Pennsylvania Sailing Team

Fall 2021 – Present

Freshman starting skipper. Travel every weekend to competitions. Commit 20 hours a week training and 20 hours on weekends competing. Received award for first team Mid-Atlantic All-Conference skipper freshman and sophomore year. On watchlist for All-American.

### Team USA and LISOT Sailing Team

Fall 2017 - Fall 2020

Trained and competed in I420 boat as both skipper and crew. Highlights include competing internationally at the World Championship in 2018 and 2019. Ranked 3<sup>rd</sup> and 4<sup>th</sup> for USA female team in 2019 and 3<sup>rd</sup> and 2<sup>nd</sup> U17 USA team in 2018 for Europeans and Worlds, respectively.

## LEADERSHIP/AWARDS

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All-Conference College Women's Skipper

2022 – Present

Varsity Sailing Team Captain

2018 – 2021

Varsity Soccer Team Captain

2019 – 2021

High Honors and Head of School Distinction

2018 – 2021

Varsity Sailing Most Valuable Player Award

2019 – 2021

## INTERESTS

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Artificial Intelligence, Data Science, Sailing, Soccer, Skiing, Motorsport, Photography