

Melissa Zavez

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Education

Swarthmore College

Swarthmore, PA

Major in Computer Science with a minor in Statistics

September 2016 - May 2020

- **Relevant Coursework:** Intro Computer Science, Intro Computer Systems, Data Structures & Algorithms, Bioinformatics, Computer Animation, Computer Graphics, Computer Networks, Digital Systems & Computer Engineering, Design of Digital & Embedded Systems, Statistical Methods II, Data Science, Intro to Cognitive Science, Calculus II, Linear Algebra
- **Skills:** C++, R, Python, C, GDB, Valgrind, Matlab

Leadership and Work Experience

Swarthmore College

Swarthmore, PA

Research Assistant - Department of Mathematics & Statistics

Summer 2018

- Recipient of the Lotte L. Bailyn Research Grant to develop and improve a method to estimate the duration of an extinction period
- Collaborated with another student to brainstorm, code (using R), and test various methods

Jibo

Boston, MA

Robot Engineering Intern

Summer 2017

- Assist with development, design and execution of tests on the robot
- Responsible for data collection relating to computer vision and software development

Swarthmore College

Swarthmore, PA

Student Academic Mentor

Spring 2017 - Spring 2018

- Orientation leader, assisting freshmen with transition to academic and social environment in college
- Liaison with faculty and deans
- Residential hall leader and academic mentor, helping residents develop time management and organization skills, study strategies and other academic skills

Swarthmore College

Swarthmore, PA

Math Department Teaching Assistant

Fall Semester, 2018

- Co-run drop-in study sessions as well as attend class and meetings
- Working with students one-on-one to improve their understanding of the material

TOPSoccer

Swarthmore, PA

Coordinator

Spring 2017 - Present

- TOPSoccer connects athletes with disabilities with Swarthmore students
- Mentor and coordinator of weekly activities for students and participants

Swarthmore College

Swarthmore, PA

Club Ice Hockey President

Spring 2017 - Present

- Organize biweekly transportation and activities for members; Responsible for the creation and maintenance of a welcoming and inclusive environment in which students of all abilities feel welcome
- Served as treasurer Sophomore year

Activities & Interests at Swarthmore College

Field Hockey

Fall 2016

- DIII varsity collegiate field hockey team, competing in the Centennial Conference

Offbeat A Capella

Fall 2016 - Present

- Participant in Offbeat, an on-campus A Capella group

Tutor for Spanish, Math, SAT

Fall 2017 - Present