

Anna DeCotis
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EDUCATION

Tufts University, Medford, MA *Expected to Graduate May 2024*
Bachelor of Science in Biomedical Engineering
GPA: 3.89, Dean's List all semesters
Relevant Classes: Biomechanics, Biomedical Concepts I and II, Engineering Design, Biomedical Concepts at the Cell, Tissue, and Organ Level I, Medical Imaging, Calculus, Chemistry

Covenant Christian Academy, West Peabody, MA *Graduated June 2020*
AP Classes: US History, Chemistry, Biology, Calculus, Physics
National Honor Society

EXPERIENCE

Karp Lab at Brigham and Women's Hospital, research intern (co-op) *May 2022 - present*

- Collaborating 40+ hours a week with post-docs, research technicians, and interns on oral drug delivery projects
- Learning skills in device prototyping and fabrication, materials science, rheometry, PCR, and CAD
- Creating devices to deliver large-molecule drug to the gastro-intestinal tract
- Gaining skills in communication and story telling through poster presentations, weekly lab meeting presentations, and paper writing - received the "Best Critique" Award

DOIT Lab under Sergio Fantini, undergraduate research assistant *January 2022 - May 2022*

- Designed and fabricated a mold for an optical sensor using Solidworks, 3D Printing, and Silicon casting

Silk Lab under Fiorenzo Omenetto, undergraduate research assistant *January 2022 - May 2022*

- Assisted a PhD-candidate by performing experiments involving biochemistry and silk fabrication

Chemistry II Teaching Assistant, lab assistant and grader *January 2022 - May 2022*

- Prepared a weekly 3-hr lab for ten students in electrochemistry, rates of chemical reactions, etc.
- Graded lab reports, lab quizzes, and assisted students in office hours

ACTIVITIES

Tufts Timmy Global Health, member *September 2021-present*

- Fundraised on Tufts campus through social events to promote education of global health

Society of Women in Engineering, member *September 2021-present*

- Attended weekly meetings in which organizations and events for women in engineering were discussed

Ultimate frisbee, fundraising chair, player *September 2021 - present*

- Practicing 3 days a week and competing in tournaments throughout the fall and spring seasons
- Organizing fundraising events to cover tournament costs and provide player scholarships

LEADERSHIP

Leonard Carmichael Society, Tufts Tutors, tutor *October 2021 - present*

- Tutoring a high school student in chemistry, math, and SAT/ACT Prep

Redemption Hill Church Youth Group, youth leader *August 2022 - present*

- Coordinating weekly student group time
- Preparing lesson and facilitating discussion for 13 students

Tufts Wilderness Orientation and Tufts Mountain Club, trip leader *May 2022 - present*

- Led 5-day canoeing trip for 10 incoming first-year and day hikes for 30+ students during the semester

2021 Women in Technology Conference, coordinator *July 2021- September 2021*

- Recruited women and non-binary individuals involved in technology from a variety of companies and labs, such as MIT Lincoln Lab, General Electric, Google, and Environmental Partners

Waterfront Specialist and Counselor, La Vida Adventure Camp, Wenham, MA *June 2021 - August 2021*

- Developed children's skills in canoeing, kayaking, teamwork, and interpersonal skills

Covenant Christian Academy, Peabody, MA, substitute teacher *January 2021 - February 2021*

- Substitute taught for 3rd grade, 4th grade, and 5th grade
- Taught students foundations of math, Latin, and science, teamwork, and interpersonal skills

The Boston Globe/ Richard J. Phelps Scholar-Athlete Award *June 2020*

- Awarded by The Boston Globe for leadership, academic, and athletic excellence, first year that prep schools were offered this award, \$3,000 scholarship

SKILLS

Computer: Robot C, MatLab, R, SolidWorks

Lab: PCR, gel electrophoresis, DNA extraction, device prototyping, rheometry, autoclave, 3D printing, dissection