

ZAHIR BASHIR

zahir44bashir@gmail.com

518-430-8214

[linkedin.com/in/zahir-bashir](https://www.linkedin.com/in/zahir-bashir)

EDUCATION

Tufts University, Medford, Massachusetts

Bachelor of Science in Biomedical Engineering, Class of 2026 (anticipated)

GPA: 3.94, Dean's List

Saratoga Springs High School, Saratoga Springs, New York

Advanced Regents Diploma, Honors Distinction w/ Mastery in Math and Science, Class of 2022

GPA: 97.07 (Unweighted), High Honor Roll

WORK EXPERIENCE

The Lauren Black Lab, Medford, Massachusetts

Undergraduate Researcher

5/2024 – Present

- Investigated effects of extracellular matrix composition on wound healing with cardiomyocytes
- Assisted in designing and planning experiments
- Passaged, seeded, and cultured cardiomyocytes in experimental conditions for projects
- Fixed, stained, imaged, and performed ELISAs and viability assays to collect experimental data
- Participated in lab meetings to discuss findings, complications, and future directions

Armstrong Ambulance, Arlington, Massachusetts

EMT

10/2023 – 12/2024

- Responded to calls for medical emergencies, assessed, treated, and transported patients to hospital
- Transported patients requiring medical monitoring between medical facilities
- Conducted detailed written and verbal reports of patient care

New York Racing Association, Saratoga Springs, New York

Fire Marshal/EMT

7/2023 – 9/2023

- Responded to on-site calls for medical emergencies, assessed, treated, and transported patients to first aid
- Patrolled the premises and ensured basic fire safety measures were upheld
- Answered questions from patrons and settled conflicts between patrons and employees

Saratoga Springs Department of Public Works, Saratoga Springs, New York

Intern Under City Engineer

2/2022 – 6/2022

- Represented the interests of the City Engineer in meetings with business representatives
- Recorded notes during meetings and reviewed with the City Engineer
- Filed paperwork and performed individual tasks around the city

SKILLS

Computer: Microsoft Office and Google Workplace.

Computer-Aided Design: OnShape, Autodesk Inventor, Autodesk Revit, Fusion 360 and SolidWorks.

Coding: Beginner in C++, Java, and Python.

Lab: Sterile practices, reagent preparation, cell culturing, fixing, immunostaining, fluorescent imaging, and performing ELISAs and other assays.

ACTIVITIES

Tufts Club Swim, *Member*

9/2024 – Present

Somerville Homeless Coalition, *Project SOUP Volunteer*

7/2024 – Present

Tufts Engineering Without Borders, *Local Education and Outreach Tech Lead*

3/2024 – Present

Tufts Rock Climbing Team, *Member*

2/2023 – Present