

Flavia Capet

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Home: 514 East Passaic Ave, Bloomfield NJ, 07003

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY
Bachelor's degree in Mechanical Engineering

Expected May 2028

Selected Coursework: Math 1920 • Chem 2090 • Biomaterials and the Skeletal System 2090 • CS110(Python) • Differential Equations • Physics 1&2

SPECIALIZED SKILLS

Technical: Machine Job Certified, Excel Professional, Language: Romanian (fluent)

ENGINEERING EXPERIENCE

Cornell Project Team: CUSail – Sailbot 2025 Competition: First Place (<https://www.sailbot.org/>)

- Mechanical Subteam
- Design and build autonomous sailboat to compete in 6 different event categories at competition
- Specialized in designing and developing boat deck through SolidWorks, laser cutting, and machining

Spring 2025-Current

Research Lab Internship at Purdue University

Summer 2023

- Gain lab experience working with PHD students
- Develop and test a color-changing test for the Influenza Virus

RELEVANT WORK EXPERIENCE

Camp Counselor , Bloomfield Recreation Department, Bloomfield, NJ

Summer 2021, 2022

- Plan, lead, and implement camp programs for children
- Provide high-quality educational and recreational opportunities and enjoyable experiences for camp participants
- Know and understand all emergency procedures associated with the camp program and enforce them if needed
- Encourage communication and friendship between the kids as well as mediate camper's disputes

Hostess, Glen Ridge Country Club, Glen Ridge, NJ

Summer 2022, 2023, 2024

- Greet Country Club members enthusiastically and with respect
- Oversee the work floor and make sure all is going well

VOLUNTEER EXPERIENCE

UNIFIED Special Olympics Team Member and Volunteer

Fall 2023 & Spring 2024

- Assist athletes with any needs they may have
- Encourage and support all teams competing
- Develop a strong work environment for athletes
- Raise awareness to different issue affecting this community
- Advocate for other volunteers to join

LEADERSHIP EXPERIENCE

Bloomfield High School Red Cross Club President

Fall 2023 & Spring 2024

- Organize a set number of blood drives throughout the year along with weekly meetings
- Organize several different service events, like cards for veterans or community clean-ups

BRAM (Big Red Ambassador):

Spring 2025-Current

- Organize campus wide events throughout the year including events for admitted students

Society of Women Engineers Outreach Lead:

Fall 2025-Current

- organize weekly meetings; conducted outreach to employers for an on-campus recruiting program

ACTIVITIES/INTERESTS

Cornell Tradition Fellowship: Prioritize acts of service and work while balancing class schedule

Cornell Red Cross(Events Committee): Organize monthly blood drives; organize different cpr and Narcan trainings

