

# Flavia Capet

fgc26@cornell.edu

Home: 514 East Passaic Ave, Bloomfield NJ, 07003

Cell: 973-960-3906

## 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**

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

**Summer 2023**

## 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

