

CARLY MENCHACA

Brooklyn, NY | (808) 219-1208 | cam9354@nyu.edu

EDUCATION

New York University, Tandon School of Engineering, Brooklyn, NY
Bachelor of Chemical and Biomolecular Engineering

May 2029

Relevant Coursework:

Introduction to Chemical & Biomolecular Engineering, Calculus I & II for Engineers, General Chemistry for Engineers, Introduction to Cell and Molecular Biology, and Mechanics.

CAMPUS OPERATIONS

Facilities Attendant, NYU Athletics, Brooklyn, NY

Sept. 2025 – Present

- Enforce university facility policies clearly and professionally to maintain a safe and organized environment.
- Manage equipment organization and sanitation protocols across multiple facility workout areas.
- Execute nightly closing procedures to secure campus property and athletic equipment.
- Serve as an internal NYU staff member, assisting 200+ patrons with daily inquiries.

Competitor, Procter and Gamble x GCA: Early Talent Competition

March 2026

- Participated in a follow-up survey with a GCA industry judge to give constructive feedback on the competition.
- Developed “Aloha Fix,” a 3-in-1 clothing care device: stain removal, absorbent material, and freshening spray.
- Designed a digital presentation to pitch product mechanics and business viability for judges.
- Created a refillable, sustainable product model incorporating reduced-waste packaging.

COMMUNICATIONS & DIGITAL MEDIA EXPERIENCE

Founder & Content Creator, carlymenchaca.com

Aug. 2024 – Present

- Authored 10+ science blog posts, translating complex concepts into engaging and accessible public content.
- Designed a personal engineering portfolio, optimizing digital layouts for visual appeal and mobile users.
- Updated back-end site architecture, resolved broken links, and integrated downloadable PDF resources.
- Utilized LinkedIn and social media platforms to promote website content and drive engagement.

Project Manager & Lead Designer, Introduction to Engineering & Design

Sept. 2025– December 2025

- Managed project timeline, delegated tasks, and facilitated weekly team meetings to ensure milestone completion.
- Led a technical team to program and build a haptic navigation device for visually impaired users using Arduino.
- Created technical reports and design documentation outlining prototyping, testing, and the iteration process.
- Designed visual branding and poster design for presentation boards to showcase to colleagues and judges.

Sales Associate, Orangetheory Fitness, Maple Valley, WA

May 2025 – Aug. 2025 | May 2026 – Present

- Designed and illustrated community whiteboards to market fitness events, boosting attendance to 50+ attendees.
- Promoted studio programs and membership packages, contributing to increased client engagement.
- Utilized Canva to create promotional social media posts and digital branding for the company.
- Processed membership transactions daily and scheduled classes using internal CRM systems.

TECHNICAL SKILLS

Software: Excel, Word, PowerPoint, Autodesk Fusion, OnShape, Python, Canva, Web Design.