



# Carolina Andrea Vázquez Vázquez

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## Industrial Engineering

Fourth-year Industrial Engineering student at the University of Puerto Rico at Mayagüez with a Minor in Project Management. Passionate about leveraging leadership, project management, creative marketing strategies, and operations management skills to contribute to innovative engineering projects. I am actively seeking a co-op or internship opportunity to apply my knowledge in a practical setting, enhance my professional experience, and contribute to a team's achievement of its goals.

### EDUCATION

University of Puerto Rico – Mayagüez, Puerto Rico

**Bachelor's Degree** – Industrial Engineering,

**Minor Degree** – Project Management.

**Expected Graduation:** May 2028 **GPA:** 3.17

**Relevant Coursework:** Physics 2, Calculus 3, Engineering Economic Analysis, Introduction to Project Management, Engineering Statistics and Probability, Ergonomics and Human Factors in Work Systems Design

### TECHNICAL EXPERIENCE

**FSAE Colegio Racing Engineering** – Mayagüez, Puerto Rico

January 2024 – Present

**Business and Marketing Division Leader**

May 2025 – Present

- Led sponsorship acquisition and managed branding, public relations, and corporate outreach to increase visibility and secure funding.
- Organized and maintained the team's operating budget, aligning fundraising efforts, merchandise sales, and sponsor contributions with project timelines.
- Collaborated with technical and project management teams to synchronize marketing strategy with engineering goals and competition deliverables.

**Project Management Division Leader**

August 2024 – May 2025

- Develop and propose innovative project ideas to optimize team tasks, enhancing efficiency and effectiveness.
- Served as the primary communication conduit between team members, division leaders, and the captain, ensuring seamless coordination and information flow.
- Draft and refine logistical plans to ensure smooth execution of team activities, including resource allocation and time management.

**Project Manager of the Research and Development Division**

January 2024 – May 2024

- Managed cross-functional teams researching and developing an internal combustion and electric formula car.
- Coordinate technical divisions and researchers to drive innovation and ensure time completion.

### PROJECTS

**Ergonomic Assessment Project – Medtronic Ponce**

April 2025

**Industrial Engineering Student Consultant**

- Identified ergonomic risk factors in a medical device manufacturing workstation through on-site observations and employee input.
- Proposed engineering and administrative controls to reduce or eliminate ergonomic hazards and improve workplace safety.
- Delivered findings and actionable recommendations in a professional presentation to the Safety & Health department.

### VOLUNTEER EXPERIENCE

**AFIM – Asociación para Fémimas en Ingeniería Mecánica** – Mayagüez

October 2024 – Present

**Mentor**

- Guided first-year students in their academic and social transition to university.
- Provided advice on coursework, time management, and the resources the university offers.

**AFIM – Asociación para Fémimas en Ingeniería Mecánica** – Mayagüez

August 2023 – Present

**Member**

- Engaged in leadership development activities that significantly boosted my academic and professional journey.
- Passionately advocate for engineering careers by mentoring and inspiring young individuals to discover and pursue opportunities in the field.

### PROFESSIONAL SKILLS

- Fully Bilingual
- Basic Python Knowledge
- Word, PowerPoint, and Excel
- Public Speaker
- Collaborative Problem Solving
- Project Management
- Organizational Skills
- Leadership