

# GILBERT PEREZ

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## EDUCATION

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**Columbia University**, New York, NY

May, 2028

*BS in Electrical Engineering; Minor in Aerospace Engineering*

*Relevant Coursework:* Art of Engineering, Intro to Python, Intro the Java, Intro the Electrical Engineering, Signals and Systems, Circuit Analysis  
Emerging Scholars Program

**The Beacon School**, New York, New York

2024

*Awards: John Linsky Award - French Language Award*

## WORK EXPERIENCE

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**Code For Life - Web Basics and Python Class Instructor**, New York, NY

Summer 06/2023 - 08/2025

- Taught HTML and CSS through interactive lessons and hands-on projects, guiding students to develop websites on topics of their choice.
- Facilitated teamwork and provided ongoing support, helping students troubleshoot code, refine designs, and apply web development concepts effectively.
- Taught core Python programming concepts through interactive lessons and project-based learning, helping students apply topics like loops, conditionals, and functions in practical contexts.
- Worked individually with students to keep them engaged and progressing, adapting instruction to different learning needs.

**Code For Life, Teaching Assistant for Web Basics and Python Class**, New York, NY

Summer 06/2021 - 08/2025

- Provided one-on-one support to students, helping them understand and apply core web development concepts in HTML CSS and Python, while troubleshooting and refining their projects.
- Collaborated with a group of three students to design and develop an educational website, applying best practices in front-end development to create a user-friendly, responsive platform promoting cultural awareness.
- Collaborated with a Python instructor to guide and help lead students through projects, offering encouragement and direction when they faced challenges.

## LEADERSHIP EXPERIENCE

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**Mercy Center Bronx Volunteer**, *Volunteer*, New York, NY

01/2022 - 05/2022

- Assisted students with homework and academic activities, providing support to enhance understanding and improve performance while also organizing and leading engaging recreational activities, including park outings and board games, fostering teamwork, creativity, and positive social interaction.

**Columbia Space Initiative**, *Member*, New York, NY

08/2024 -

- Contributed to a student-run organization focused on advancing space exploration, collaborating on hands-on projects in space science, engineering, and mission planning.
- Supported educational initiatives and outreach efforts, fostering a community of students engaged in bridging the gap between academics and the expanding space sector.
- Participate in competitions and challenges, gaining practical experience in project management, teamwork, and problem-solving under tight deadlines.

**Columbia University ASP Interviewer**, Interviewer, New York, NY

01/01/2025 - 03/14/2025

- Conducted one-on-one interviews with prospective ASP students, evaluating fit and writing detailed reports for the admissions team. Informed candidates about the program's benefits, including full financial aid coverage, academic and peer mentorship, and resources to support their transition to campus life.

## SKILLS AND INTERESTS

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- *Computer Skills:* HTML, CSS, Javascript, React, NodeJS, Python, MATLAB, Can use computer programs such as Google Docs Google Sheets, Powerpoint, and Excel
- *Language Skills:* Spanish - Native, English - Native, French - Proficient
- *Interests:* Cybersecurity, Computer Science, Electrical Engineering, Software Engineering