

ACADEMIC FORMATION

MSE in Nuclear Engineering and Radiological Sciences

University of Michigan, Ann Arbor | 2024 - 2026 (expected)

- IAEA Marie Skłodowska-Curie Fellow
- Scholarship from Mexico's National Council of Humanities, Sciences and Technologies (CONAHCYT)

Sustainable Development Engineering B. S.

Tecnológico de Monterrey (ITESM), Mexico City | 2019 - 2023

- Scholarship for Academic Talent. GPA of 95/100

Nuclear Engineering Semester Abroad

University of California, Berkeley | August - December 2022

- Attended courses in Nuclear Power Engineering, Radiation Detection and Nuclear Instrumentation, and Methods of Risk Analysis. Obtained a 3.6 GPA.

ACADEMIC EXPERIENCE

University of Michigan, Ann Arbor

| Fall 2024 - Summer 2025 (currently)

- Graduate Student Research Assistant (GSRA), investigating community engagement, perspectives, and assessing the potential of generative AI models as participatory design tools to foster dialogue, build trust between technology developers and local communities, and move towards a democratic energy transition. (Winter and Summer 2025)
- Graduate Student Instructor (GSI) for "Socially Engaged Design of Nuclear Energy Technologies". Lead weekly lab sessions to enhance student learning through VR technology, workshops, and research activities. (Fall 2024)

Hands-on final academic projects in collaboration with industry/non-profits:

GENERAC

| May - June 2022

- Led the prototyping of a chemical process to effectively recycle used motor oil, aligning with a circular economy business model.

SIEMENS Energy

| May - June 2021

- As part of the Siemens Energy Cogeneration Challenge, my team and I designed a thermoelectric generation plant model with steam cogeneration to supply a paper company. Co-won the Best Project award.

WORK EXPERIENCE

Manufacturing Supervisor at Schneider Electric

| 2023 summer

- For a brief period, I functioned as the supervisor of production lines at Schneider Electric's Mexico City plant.

Elisa Carrillo Cabrera Foundation

| 2021 & 2022 summers

- Managed general logistics and public relations during the international dance festival "Danzatlán".

VOLUNTEERING

IBBY Mexico Foundation

| August - December 2021

- Collaborated with the sustainability coordination team, reorganizing the foundation's database and conducting literature reviews for ongoing projects.

SOFTWARES

Lattice physics calculations with CASMO4

Flow systems analysis with RELAP5

Thermodynamic cycles modeling with CyclePad

Life Cycle Assessment with SimaPro