Evelyn Sofia Navarro Salazar

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EDUCATION

Princeton University — Princeton, NJ
Ph.D. Candidate in Chemical and Biological Engineering — Expected June 2026

Massachusetts Institute of Technology (MIT) — Cambridge, MA
B.S. in Chemical Engineering — June 2021

Bergen Community College (BCC) — Paramus, NJ
Honors A.S. Degree in Engineering Science — December 2017

RESEARCH EXPERIENCE

Nelson Lab (Princeton University) — Princeton, NJ
Graduate researcher — January 2022- Present

Kurago Biotek (through MISTI/MIT) — Guadalajara, Mexico (Remote)
Undergraduate researcher — July 2021 - August 2021

- Reformulated three existing products to increase their concentration of probiotics and extend shelf life.
- Assisted with a side project to find the best probiotic strains that could survive the baking process of bread.

Huang-Hobbs BioMaker Space (MIT) — Cambridge, MA (Remote)
Undergraduate researcher — June 2020 - February 2021

- Developed several workshops suitable for training users of the BioMaker Space.

Strano Research Group (MIT) — Cambridge, MA
Undergraduate researcher — October 2018-December 2019

- Worked with carbon nanotubes as biosensors for molecular efflux from cell populations.
- Trained in cell culture, nanotube dispersion, and fluorescence microscopy.
- Determined the most optimum placement of nanotubes on different types of cells.

Matar Fluids Group (Imperial College) — London, England
Undergraduate researcher — July-August 2019

- Designed a prototype of a VR game teaching the principles of fluid dynamics as a supplemental tool in class.
- Reviewed and wrote literature on the links between virtual reality and educational attainment.
- Instructed in C# and Unity.

STEM Student Scholars Program (BCC) — Paramus, NJ
Undergraduate researcher — July-August 2017

- Worked on a project concerning finding a method to detect and avoid skin contact with poison ivy.
- Trained in spectrophotometry, HPLC.
- Developed a hand cream with iron to determine the presence of poison ivy by changing its color.

AWARDS

Graduate School Teaching Award	March 2023
CBE Jui Dasgupta Outstanding AI Award	February 2023
Princeton University President's Fellowship	September 2021
BCC Academic Excellence in Engineering Science Award	May 2018
BCC Dean's List	2015-2017
BCC Alumni Network Scholarship	September 2017
Phi Theta Kappa Honor Society Induction	April 2016

TEACHING EXPERIENCE

McGraw Center for Teaching and Learning (Princeton University) Princeton, NJ
Graduate Teaching Fellow (CBE) May 2023 - Present

- Hold orientation and training sessions for future assistants in instruction (AI).

Princeton University Princeton, NJ
Assistant Instructor for September - December 2022
Mass, Momentum, and Energy Transport (CBE 341)

- Held precept sessions and office hours as well as graded assignments and exams.

Cerullo Learning Assistance Center (BCC) Paramus, NJ
Mathematics and Science Tutor April 2016 - August 2018

- Assisted students when working on assignments and preparing for upcoming tests in Calculus and Chemistry.

Cerullo Learning Assistance Center (BCC) Paramus, NJ
Supplemental Instruction (SI) leader September 2017 - May 2018

- Conducted two full 50-minute weekly sessions to improve students' retention in targeted subjects.
- Planned sessions using a wide variety of interactive learning strategies that students can apply to any class.

EXTRACURRICULAR ACTIVITIES

Princeton University Women in CBE AY 2023- 2024
Social Chair

- Plan and organize social events for members and the community that is part of the Chemical and Biological Engineering (CBE) department.

MIT Office of the First Year
Transfer Orientation Leader AY 2020-2021

- Helped incoming transfer students in their transition to MIT by acquainting them with campus services, activities, facilities, registration process and selection of classes.

MIT American Institute of Chemical Engineers
Intracollegiate Chair AY 2019-2020

- Organized monthly events for undergraduate students in the chemical engineering department.

SKILLS

Software: MATLAB, R, ImageJ.
Languages: Spanish (native), English (fluent), Korean (intermediate)