

# Gonzalo Joaquín Esparza

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## Education

### Massachusetts Institute of Technology

September 2022 - Anticipated Completion (December 2025)

- Candidate for a Bachelor of Science in Computer Science and Engineering
- Completed Coursework, Introduction to Computer Science Programming in Python, Introduction to Computational Thinking and Data Science, Fundamentals of Programming, Software Construction, Introduction to Low-Level Programming
- Current Coursework: Software Design, Introduction to Algorithms, Computation Structures, Introduction to Probability, Intro to Machine Learning
- GPA: 4.9

### Claudia Taylor "Ladybird" Johnson High School

August 2018 - May 2022, San Antonio, Texas

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## Work Experience

### The Hammond Lab / Undergraduate Research Assistant

February 2023 - December 2023

- Synthesizing and testing organic polymers as chemical hemostats for severe internal bleeding
- Conducting characterization and optimization testing of immunotherapeutic nanoparticles used in treatment of ovarian cancer
- Manufacturing and delivering nanoparticles for studies conducted at Massachusetts General Hospital

### MacGregor House / Deskworker

February 2023 - Present

- Managing package storage and retrieval
- Assisting residents with check-ins, check-outs

### Wild Wing Station - Austin Highway / Line Cook & Cashier

March 2019 - August 2022

- Conducted customer service receiving, preparing, and fulfilling orders

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## Activities

### MIT Emergency Medical Service/Provisional Emergency Medical Technician(EMT)

September 2022 - Present

- Conducting patient care at a basic life support level, as an EMT-Basic.
- Communicating with patients to facilitate effective patient care.

### MIT Macgregor House team - Floor/ Floor and Garden Chair

January 2023 - Present

- Managing expenditure of floor funds to program floor-wide events
- Allocating resources for and developing an indoor hydroponic garden

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## Skills & Certifications

- Languages: TypeScript, JavaScript, Python, C, RISC V ASM, HTML and CSS
  - React Development
  - Meta Front-End Developer Certificate
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