

# Joseph Quatela

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## EDUCATION

Vanderbilt University, Nashville, TN

May 2024

Bachelor of Electrical and Computer Engineering

GPA: 3.87

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## ACADEMIC PROJECTS

### A Comparative Study Between Driving Distance and Time of Arrival Under Standard and Speeding Velocities

- Independent research study aimed at testing whether or not speeding on the highway decreases travel time from door to door.
- Found that speeding only became significant after 7-9 miles of travel.

### Developing Resistance to Purell in colonies of *E. coli*

- Independent research study aimed at testing whether or not colonies of *E. coli* would evolve to resist purell.
  - Found that *E. coli* was able to develop resistance to the common hand sanitizer Purell.
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## LEADERSHIP

### Mental Health Peer Mentorship Initiative

Founder (2018), President (2018-2020)

August 2018 - June 2020

- Designed programming to assist a high school of 500 plus students struggling with their work-life balance find solutions with the purpose of eliminating stress culture on campus and promoting happier and healthier overall lifestyles.
- Oversaw educating 4 peer mentors and analyzing the data they reported from their sessions to ensure progression towards organizational goals.

### Crawford House Programming and Advisory Council

President (2020-2021)

August 2020 - May 2021

- Organized “fun-oriented” large scale events with our 150+ student dorm, including weekly de-stressing stations, sports tournaments, campus-wide scavenger hunts, and craft nights.
- Coordinated the Crawford service project, which sent handmade positive messages to children and the elderly in need of emotional support during COVID-19.
- Lead the weekly board meetings to ensure all events and programming were being carried out and were up to standard.

### Vanderbilt University Programming Board

VenUe Committee Member (2020-2021), VenUe Co-Chair (2021-current)

August 2020 - Current

- Provided safe alternative Friday nights to students who prefer to stay on campus during COVID with activities such as bingo and movie nights, a Halloween festival, and Vanderbilt Merch contests.
- Actualized the spirit of the events through decoration and aesthetics as chair of the decorations committee.

### Nashville International Center for Empowerment

English Foreign Language Teacher (2020-current)

August 2020 - Current

- Taught and led a class of 20+ immigrants learning English twice a week.
  - Developed an American cultural understanding within my students, as well as gained a better multicultural understanding within myself.
  - Gained skills in working with diverse populations, as well as skills in teaching through a language barrier.
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## SKILLS

- **Computer/Lab Skills:** Proficient in Microsoft and Google Suites. Basic coding skills in Python
- **Language Skills:** C1 Proficiency in Spanish and Italian, B1 Proficiency in French, A1 Proficiency in Portuguese