

# Anna San Bartolome

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## EDUCATION

### University of Michigan

Ann Arbor, MI

BS Chemical Engineering

Expected Graduation: April 2022

- Relevant Coursework: Programming & Intro Data Structures (EECS 280), Computer Science Pragmatics (EECS 201), Discrete Mathematic (EECS 203), Process Economics (CHE 485), Sustainable Engr. Design (ME489).
- Activities: AiChe, La Casa, Latinidad Magazine, SHPE, SWE.

## PROJECT EXPERIENCE

### Michigan Product Equipment Design and Demonstration (MPEDD)

Ann Arbor, MI

Student Project Engineer

Nov. 2019 - Present

- Collaborated in the research and development of 2 annual projects using the engineering design process, cost and design analysis, circuitry knowledge, and CAD software.
- Created a siphon (pour over coffee drip maker) and fish tank.

### Renewable Energy Project - Detroit Edison (DTE)

- Assessed the feasibility of solar and wind power usage at the University of Michigan and Southwest Michigan with the consideration of social license, land use, and energy storage technologies.
- Mapped potential land for the use of constructing renewable energy technologies to meet 100% energy demand.
- Evaluated life cycle assessments for energy technologies to compare efficiency and greenhouses gas footprints between different energy sources within the electricity and transportation sectors.

### Scleroderma-Interstitial Lung Disease Research (Ssc-ILD)

Ann Arbor, MI

Research Assistant

Sept. 2017 - May 2018

- Concluded the baseline qualities and prevalence of lung fibrosis (ILD) in presence of systemic sclerosis (Ssc).
- Identified patients with Ssc-ILD with a retrospective 10-year observation of records and 1:1 patient observation.
- Revised data collected from the U-M electronic medical chart software (MiChart) and analyzed it utilizing parametric and non-parametric testing through the RedCap software.
- Presented at the Midwest Regional SACNAS Conference (UChicago) and the 2018 U-M UROP Symposium.

## WORK EXPERIENCE

### Trotter Multicultural Center

Ann Arbor, MI

Building Manager

May 2019 - Present

- Assisted with set-up and breakdown of event spaces, A/V equipment, phone calls, and directed guests as needed.
- Organized, made inventory, oversaw event equipment, and was responsible for opening/closing operations.
- Promoted Trotter's history and mission for a more inclusive campus climate through intercultural engagement.

### Information and Technology Services

Ann Arbor, MI

Sites Rover

Dec. 2018- Dec. 2019

- Provided frontline technical support for >2000 desktop computers with Mac OS & Windows Operating Systems.

## ORGANIZATIONS

### Latinidad Magazine

Ann Arbor, MI

Financial Chair

Dec. 2018 - Present

- Developed a 5k budget for the newly found organization and handled finances for new issues and events.
- Acquired grants and sponsorships from on and off campus programs to sustain the organization's funds.
- Advocated for Latinx artists and writers to reclaim their voice and foster representation of the Latinx community.

### La Casa Organization

Ann Arbor, MI

Annual Initiatives Liaison

Sept. 2018 - Sept. 2019

- Outlined and executed cultural/social events, academic workshops, distribution of resources, mentorship models, and any initiatives deemed necessary for the prosperity and success of the U-M Latinx student body.
- Recruited, trained, and advised a 6-student committee to plan a ~39k budgeted orientation program.
- Facilitated and supervised 4 student programs in collaboration with the U-M Multi-Ethnic Student Affairs Office.

## SKILLS

Working Knowledge: ASPEN, CAD, Python, C++, Git, Linux, Matlab, Microsoft Office

Languages: English (fluent), Spanish (fluent), French (Intermediate)