

# ALEXA ANDERSON

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## EDUCATION

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**The University of Texas at Austin** Bachelor of Sciences, Chemical Engineering: *May 2024* GPA: 3.6455

## EXPERIENCE

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**Texas Spacecraft Laboratory: Technology Market Assessment-** *ENVI*; Austin, TX March 2022 – Present

- Self-led research project focused on the space environment evaluating the corrosive effects of atomic oxygen on satellites.
- Intensive use of scientific literature to create a thoroughly investigated and practical material to eventually be prototyped.
- Requires self-discipline and curiosity, time management, and professionalism with project leader for a realistic product.

**Engineers Without Borders Greater Austin Chapter-** *Marketing Team*; Austin, TX September 2021 – Present

- Trusted to produce content for the social media with limited guidance from supervisor requiring objective decision making.
- Relating with public by co-launching the tik-tok and building creative, engaging content to raise donations for projects.
- Taking initiative to attend events, like trash cleanups, to enhance the online appearance and elevate media productions.

**University of Texas Covid Clinic-** *Volunteer*; Austin, TX March 2021 – June 2021

- Volunteered in 5-hour shifts navigating patients receiving the covid vaccine and working within the proper regulations.
- Using interpersonal skills to comply with people's needs and concerns with informed responses and a positive attitude.

## PROJECTS

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**Resolution to Pipe Breakage due to Cold Weather-** Austin, TX November 2021 – December 2021

- Thoroughly researched the issue, relevancy, and need to resolve bursting pipes and crafted a detailed 7-page proposal.
- Expanding to a team and proving leadership by setting objectives, delegating, and holding myself and the team accountable.
- Effectively communicating the resolution in a mock presentation require clear and effective persuasion communication.

**Morphine Production Process Analysis-** Austin, TX November 2020 – December 2020

- Investigated the manufacturing industry of morphine production through interpreting scientific articles and technical terms.
- Wrote a report analyzing each stage of the production and interpreting feedback from instructor to strengthen paper.
- Constructed a process flow diagram starting from the plant to the pill and analyzed the limitations if used at full scale.

**Pains and Potions: Osteoarthritis Podcast-** Vail, CO January 2020 – May 2020

- Researched osteoarthritis symptoms and treatments through mature networking with medical and business professionals.
- Created, edited, and launched a podcast featuring the research and interviews, using personal discretion and initiative.
- Adapted and changed project direction due to the Covid-19 pandemic while keeping with the pre-set deadlines.

## EXTRACURRICULAR INVOLVEMENT

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**Not On My Campus – Peer Educator** March 2021 - Present

**Women in Engineering - Member** Fall 2020 - Present

**American Institute of Chemical Engineers - Member** January 2021 – Present

**Alpha Xi Delta - Member** Fall 2020 - Present

## HONORS

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• University Honors Fall 2020; Fall 2021

## ADDITIONAL INFORMATION

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**Soft Skills:** teamwork, collaboration, strong communication skills, organization, responsibility, problem solving

**Technical Skills:** Proficient in Microsoft Suite, MATLAB

**Languages:** Conversational in Spanish

**Work Eligibility:** Eligible to work in the U.S. with no restrictions.