

# Zachary Danielson

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## EDUCATION

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**The University of Texas at San Antonio** Bachelor of Mechanical Engineering May 2020  
Project Manager for Senior Design Specialized in: FEA, Engineering Economics, Nondestructive Evaluation

## SERVICE

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**U.S Army Reserve Officer Training Corps** August 2014- December 2016

- *Airborne School-Paratrooper Qualified* July 8, 2016
- Coordinated and supervised field training, physical training and personal accountability of 25 cadets as Platoon Leader (Fall 2016)
- Responsible for Squad accountability and insuring that the we are up to date with all intel and required gear for set objective

## EXPERIENCE

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**The Brandt Companies- Commissioning Intern** June 2019- August 2019

- Supported contractors like JCI, TNT, and Siemens with a \$25+ million datacenter, also responsible for collected data from them and verifying its within tolerance.
- Worked on a startup of a Microsoft datacenter project in which included equipment like VAV, VVR, CHWP, and AHU's.

**Magic in the sky – Pyro Technician; San Antonio** July 2017 – August 2019

- Operate the firework site; was responsible for the placement of over 800 fireworks and all the caps for each explosive.
- Responsible and oversaw the area around the site during the show to ensure the proper safety regulations set by the ATF at 27 CFR sections 555.221-555.224 are enforced and are being followed accordingly.

**The Home Depot – Lumber Associate; San Antonio** May 2017-July 2017

- Assisted 50+ customers daily which included answering questions and using the table saw to alter material.
- Oversaw the aesthetics of the inventory and maintained the aisles to meet store policy

## LEADERSHIP EXPERIENCE AND ACTIVITIES

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**Engineers without Borders: Member** January 2019- Present

- Attended a volunteering event in which we assisted in the cleanup and laydown of St. Augustine.

**American Society of Heating, Refrigeration and Air Conditioning Engineers UTSA Chapter/National Chapter**

*UTSA: Vice-President, Treasurer, Member* Fall 2017- Present

- Awarded Most Hardworking Officer by the Engineering Student Counsel.
- Establish the club bank account and maintain multiple platforms of financial apps which are responsible for over 40% of incoming funds.
- Communicate with new potential members and increased the members paid by double as well as devise a financial plan regarding our budget.

## ADDITIONAL INFORMATION

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**Computer Skills:** Microsoft Projects, Solidworks, Autodesk Inventor, Circuit Maker, Java, Scratch, MATLAB

**Interests:** Home Renovations, Traveling, Soccer Fanatic, Card Games

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