

# ZANDER GONZALES

## MECHANICAL ENGINEER

### CONTACT

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Portfolio: zandergonzales.github.io

### EDUCATION

BYU | GPA 3.78

Mechanical Engineering | April 2027

Minor in Philosophy

### RELEVANT COURSES

CAD, Elements of Electrical

Engineering, Computational Methods,

Thermodynamics, System Dynamics

### KEY SKILLS

Autodesk

SolidWorks

Onshape

Python

ROBOTC

### EXPERIENCE

TEACHING ASSISTANT | COMPUTATIONAL METHODS •  
APRIL 2025 - CURRENT

- Worked with Dr. Ning as the primary teaching assistant in charge of the lab for computational methods
- Central responsibilities included holding office hours and assisting students in learning how to use Python and Excel to do computational solving methods and statistics

INTERN | LOCKHEED MARTIN •  
AUGUST 2020 - AUGUST 2021

- Worked in the Material Testing Lab
- Primarily worked with sealants and anodizing of aluminum alloys, where my roles consisted of working in the lab and collecting data, and then putting it into test reports to summarize the findings
- Headed a project working with the effects of anodizing processes on avionics connectors

CO-FOUNDER | POLYESTER CLUB •  
FEB 2019 - AUGUST 2020

- Worked with peers to create and run Polyester Club
- We functioned as an independent drop shipping company, where we had a custom website by which customers could order custom-designed clothing, and created a unique system of orders to maximize sales in a high school environment

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### EXTRA-CURRICULAR ACTIVITIES

- Agricultural Robotics | 2024 – 2025
- Bell Vertical Robotics | 2019 – 2020
- FIRST Robotics | 2018 – 2019
- VEX Robotics | 2016 – 2017
- Senior Patrol Leader, Scouts BSA | 2015 - 2019