

GEORGE MENDOZA

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EDUCATION

University of Kansas
Fullstack Coding Bootcamp

Dec 2021

Kansas State University
Bachelors of Science in Mechanical Engineering

May 2020

Work Experience

Earles Engineering & Inspection Inc - Civil Engineer

Jan 2021 - Apr 2021

- Assisted civil engineers with projects involving roadway designs and improvements to replace deteriorating roads and bridges.
- Provided engineering analysis and design options for a new water treatment plant.
- Assisted surveyors to identify boundary lines, control points, and create topography for site work.

U.S Bank - Cardmember Service

July 2020 - Oct 2021

- Assisted civil engineers with projects involving roadway designs and improvements to replace deteriorating roads and bridges.
 - Provided engineering analysis and design options for a new water treatment plant.
 - Assisted surveyors to identify boundary lines, control points, and create topography for site work.
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Technical Projects

This That Application - Backend

Sept 2021

- Set up database to store and retrieve data using sequelize and mysql to connect to the models
- Create endpoints to test API routes to access resources on the server

Animal Application - Fullstack

July 2021

- Created layout for html to help create event listeners for each animal category and selection
- Set up third party API to retrieve images based on animal selection

Wildcat Wind Power Tunnel Design - CFD Simulations

Jan 2020 - May 2021

- Created various simulations using FEA & CFD tools in SolidWorks to identify potential issues
 - Competition winners based on design, efficiency, quality of technical report
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Technical Skills

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|--------------|---------------------|
| • Python | • HTML |
| • JavaScript | • CSS |
| • jQuery | • Express.js |
| • Node.js, | • Inquirer.js |
| • PostgreSQL | • MATLAB |
| • MySQL | • SolidWorks (CSWA) |
| | • AutoCAD |
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Leadership Roles

Society of Hispanic Professional Engineers (SHPE) - Member

Aug 2017 - May 2020

- Extreme Engineering Challenge - Competed in a national competition composed of 10 people per group for a 24-hour design challenge

National Society of Black Engineers (NSBE) - Senator/Secretary

Aug 2017 - May 2020

- Coordinated and facilitated events such as Engineering a Dream to help students understand the importance of STEM majors.
- Developed and created relationships with secondary education schools to recruit students.