GEORGE MENDOZA

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EDUCATION

University of Kansas   **Expected Dec 2021**
Fullstack Coding Bootcamp

Kansas State University
Bachelor of Science in Mechanical Engineering   **May 2020**

Work Experience

Earles Engineering & Inspection Inc - Civil Engineer   **Jan 2021 - July 2021**

- Supported civil engineers with roadway project designs and improvements to replace deteriorating infrastructures.
- Provided engineering analysis and design options for a new water treatment plant.
- Assisted surveyors to identify boundary lines, control points, and create topographic maps for site work.

U.S Bank - Cardmember Service   **July 2020 - Oct 2020**

- Properly diagnosed customer needs by troubleshooting the root cause through verbal communication.
- Documented and stored required sensitive information via system applications using Casper & Mainframe.
- Proactively educated customers about the features and benefits of credit card products and services.

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 and CFD tools in SolidWorks to identify potential flow design flaws.
- Competition winners for best overall design, most economical, and application of engineering fundamentals.

Technical Skills

- Python
- JavaScript
- MATLAB
- API
- jQuery
- Node.js,

- PostgreSQL
- MySQL
- NoSQL
- Git
- Express.js
- Inquirer.js

- HTML
- CSS
- SolidWorks (CSWA certified)
- AutoCAD
- React
- Trilingual - English, Spanish, Awakatek

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 design challenge to implement smart features in furniture with only 24-hours.

National Society of Black Engineers (NSBE) - Senator and Secretary   **Aug 2017 - May 2020**

- Coordinated and facilitated events such as Engineering a Dream to encourage elementary students to pursue STEM majors and understand their importance.
- Developed and created relationships with secondary education schools to recruit students.