

# GEORGE MENDOZA

(620) 417-0078 | georgedmendoza13@gmail.com | github.com/georgedmendoza |  
linkedin.com/in/george-mendoza-31289b171 | georgedmendoza.github.io/professional-portfolio

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## EDUCATION

University of Kansas  
Fullstack Coding Bootcamp

Expected Dec 2021

Kansas State University  
Bachelor of Science in Mechanical Engineering

May 2020

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## Work Experience

Earles Engineering & Inspection Inc - Civil Engineer

Jan 2021 - Apr 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.
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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 and CFD tools in SolidWorks to identify potential flow design flaws.
  - Competition winners for best overall design, most economical, and application of engineering fundamentals.
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## Technical Skills

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| <ul style="list-style-type: none"><li>• Python</li><li>• JavaScript</li><li>• jQuery</li><li>• Node.js,</li><li>• PostgreSQL</li><li>• MySQL</li></ul> | <ul style="list-style-type: none"><li>• HTML</li><li>• CSS</li><li>• Express.js</li><li>• Inquirer.js</li><li>• MATLAB</li><li>• SolidWorks (CSWA certified)</li><li>• AutoCAD</li></ul> |
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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 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.