John Mulaney

Thousand Oaks, CA

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Mechatronics

SKILLS

Software: MS Office, AutoCAD 14, Sigma Plot

Programming Languages: C, C++, Assembly, HTML,

Languages: Proficient in Spanish

EDUCATION

Bachelor of Science in Mechatronics, Electrical Engineering   May 2022

California State University, Channel Islands, Camarillo, CA

RELEVANT COURSEWORK:

Logic Circuits, Engineering Materials, Data Structures and Algorithms, Digital Systems Design, Calculus I,II

PROJECTS

EMEC 222: Engineering Design   Spring 2019

- Authored multiple logic system codes with a base knowledge in JAVA using Arduino programming editor
- Collaborated with group members to create an Arduino thermometer that output the temperature value to two 7-segment displays increasing group efficiency by 25%

Robot, Robotics Institute   Summer 2019

- Constructed smaller circuits using a protoboard to power a beeper, LED, clock, memory chip, and two motors
- Combined circuits to create a mini programmable robot
- Programmed the robot to successfully complete a test course

WORK HISTORY

Tutor, Math Resource Center   January 2019 - Present

CSU Channel Islands, Camarillo

- Assisted students with math courses, from arithmetic to differential equations
- Motivated students to achieve math competencies
- Guided students in finding their best learning style

CAMPUS INVOLVEMENT

Member, Robotics Club, CSU Channel Islands   August 2018 - Present