Kennedy Echeverry – kenech8@gmail.com

Education/Certifications

B.S. Computer Engineering - University of Oklahoma Class of 2019
Texas Board of Professional Engineers - Engineer-in-Training Texas #69187

Work Experience

Student Engineer - OU Health Sciences Center
Programmed a microcontroller connected to a cigarette lighter to be used in smoking cessation studies.
Used (C, Android Application, IOT)

Principal Instructor of Web Technologies and Curriculum Designer – Rex Programming
Taught students how to control drones and robotics connected to phones/computers via Bluetooth and WiFi.
Used (C++, Circuits, Bluetooth Low Energy)

Skills Summary

Languages: C, C++, Python, Java, C#

Environments: Arduino, STM32 Cube IDE, KiCAD, ARM Mbed, Eagle, Visual Studio, MATLAB, Github

Communication: Working from home and in-person, connecting with people to promote a positive workplace

Teamwork: Collaboration with teams with different time zones, schedules, cultures, and strengths

Attitude: Eager to contribute to a company's culture and help reach their goals.

Extracurricular: Web development and Video/Music editing, making promotional videos for teams and projects

Projects

Planar Transformer Winding Algorithm
Designed an algorithm that uses core dimensions and the turns ratio as the input to create the windings for a PCB based planar transformer using Python

Embedded System Mastermind Game
Recreated the classic board game "Mastermind" on an NXP LPC1768 microcontroller controlled with a numerical gamepad and displayed on an LCD.

LabView Autonomous Robot
Collaborated with a team to create a self-driving robot that used NI LabView to read from inputs such as infrared sensors, ultrasonic sensors, and gyroscopes.

Relevant Coursework

- Programming Structures and Abstractions
- Data Structures
- Microprocessor System Design
- Digital Design
- Control Systems Engineering

Honors

OU Scholars Program: Distinguished Scholars Award
Ernest W. Reynolds Engineering Scholarship
Dean's Honor Roll - Fall 2017, Spring 2018

**References available upon request*