Radcliffe Brown

EET3120- E260 Sensors and Instruments

Prof. Vladetescu

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**Arduino Workshop #2 Reflection**

Professor Wei and the IEEE club held an Arduino workshop that was open to all students. it allowed students to do one of the sample projects from the arduino projects book. What we worked on was a keyboard that uses a piezo speaker, resistors, and push buttons to play different notes. 4 pushbuttons corresponded to 3 resistors (and 1 wire) all going into the analog input. when a button was pressed, the change in current due to the resistance associated with the switch is monitored by the Arduino and when within a certain range, a corresponding tone value is sent to the piezo. I worked alongside two students who were new to the Arduino microcontroller and circuit building and helped them complete the project successfully.