

IN620 Embedded systems

LED Project



March 22, 2019

Otago polytechnic

Forth Street

## Introduction

My project is based around the use of sound detection and how it affects the LED lights. Initially I wanted to have multiple lines of LED’s on the breadboard controlled by a potentiometer. The potentiometer then controls the speed of the blinking LED lights with different sets of blinking patterns. But after doing some research on YouTube and google about LED Arduino projects. I came across a couple with the use of sound which interested me, So I went with that. Majority of the projects however were either too complicated, lack of parts I needed or did not meet certain circuit requirements like the use of resistors (Yikes). It wasn’t until I found a video on a YouTube channel “TechExult” that had a bunch of projects and had exactly what I was looking for. He even had his own website that had the code for it too.

## Design

## Hardware Choices

## Discoveries/Insights

## References

* URL**https://www.techexult.com/project-lessn**
* Website Title: **techexult**
* Article Title: **PROJECTS AND VIDEOS**
* Date Accessed: **March 22, 2019**