**Milestone One**

Justin Starr

Department of STEM

CS 350 – Emerging Systems Architecture & Technologies

Professor Mike Prasad

January 21, 2024

**Milestone One**

The following are my responses to the questions from the CS-350 Milestone One PWM Lab Guide:

1. What does the pwmled2 set the PWM period to?

3000 Microseconds.

1. Which PWM\_xxx() function sets the PWM period?

PWM\_Params\_init(PWM\_Params \*params); - This function sets the period and duty cycle for all PWMs.

1. Which PWM\_xxx() function sets the PWM duty cycle?

PWM\_setDuty(PWM\_Handle handle, uint32\_t duty); - This function sets the duty cycle for a specified PWM channel.

1. What is the purpose of the while(1) loop in pwmled2?

The while(1) statement is an infinite loop that causes all of the statements that are contained within it to repeat continually.

1. What is the purpose of usleep() in the while(1) loop?

Halts the program's execution for a specified amount of time in microseconds.

Noticeable