PWM and LED fade

Resources:-

<https://tecsploit.com/stm32f4-discovery/pulse-width-modulation-using-stm32f4-discovery/>

<https://circuitdigest.com/microcontroller-projects/stm32f103c8t6-pwm-tutorial-fan-speed-control>

<https://community.st.com/t5/stm32-mcus-products/stm32-dimmer-leds-brightness/td-p/137143>