

Arduino LED Blink Homework





OpenAI ChatGPT-4

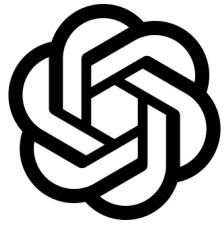


- Software Development Capabilities
- Skilled in creating and assisting with software programming, from basic scripts to complex applications.



Code Generation & Analysis


- Capable of in **multiple programming languages**.
 - Writing
 - Analyzing
 - Debugging code



ChatGPT-4 supports Arduino

- Assist with Arduino code & concepts
- ChatGPT-4 can provide code snippets or guidance, but you would need to copy this code into the Arduino IDE to compile and upload it to your Arduino hardware.

Paul McWhorter Arduino Lesson 1



www.TopTechBoy.com
Arduino Uno R4 WiFi LESSON 1: Getting Started for Absolute Beginners

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Paul McWhorter
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In this class I will present lessons designed for the absolute beginner. This tutorial series will take you from zero to hero. We are committed to teaching step by step, and will not leave anyone behind. In the class, we will be using the Sunfounder Elite kit, which you can get here:



David WA9ONY Lesson 1 Homework

LESSON 1: Arduino Uno R4 Wifi LESSON 1: Getting Started for Absolute Beginners

These are homework and notes for [LESSON 1](#)

Homework assignment is to determine the minimum delay time to see the blinking LED.

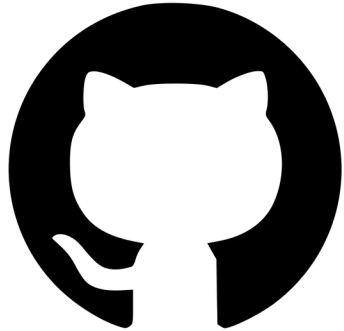
- [OpenAI](#) ChatGPT-4 [Persistence of vision](#) conversation.
 - Persistence of vision frequency is 24 to 30 Hz. Period is 41.6 ms to 33.3 ms. Delay is 20.8 ms to 16.7 ms.

Blinking LED persistence of vision homework video.

- [OpenAI](#) ChatGPT-4 [Arduino Blinking LED Lesson 1](#) conversation.
- [OpenAI](#) ChatGPT-4 prompt:
 - You are a teacher. Today you're teaching your class about the Arduino Uno R3 microcontroller. You're going to teach your students to create their first program called Blink to turn on and off the LED at 1 Hz. Please give the sketch code and the details how to use the Arduino development environment version 1.8 to run this sketch. ChatGPT

Lesson 1: Arduino blinking LED script by ChatGPT.

```
void setup() {  
  pinMode(LED_BUILTIN, OUTPUT); // Initialize the digital pin as an output.  
}
```



David WA9ONY Lesson 1 Homework



WA9ONY Homework

@WA9ONYHomework

This channel focuses on homework videos. >

github.com/WA9ONY/Arduino-Homework/blob/main/README.md

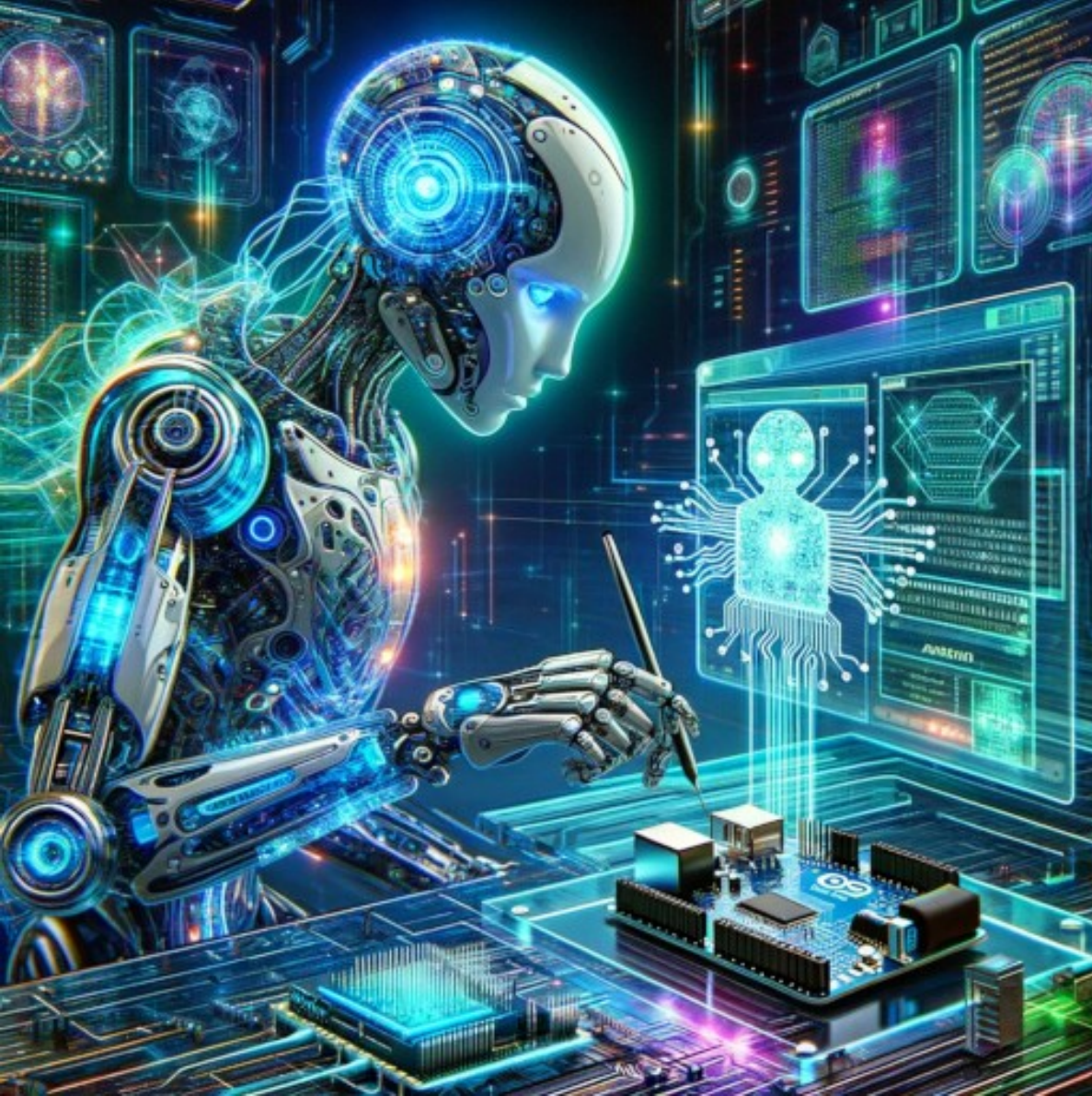
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Summary

- LED
 - Persistence of vision
- Use ChatGPT to
 - Code
 - Explore
 - Analyze