Adam Kuchto

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Profile:

I am a junior C++ and Python programmer passionate about learning and building electronic devices with "Arduino" and "Raspberry". I have experience with servicing electronic and soldering components (tht and smd). Currently, I am learning how to program on platform Udemy and YouTube or books. I participate in open source projects, and I am quick learner with strong focus on my goals. In free time I enjoy folk music and astronomy, I really love Asian food.

Work experience:

Electronic engineer in "Medicalgorithmics"

Assembly of electronic devices, soldering of "smd", "tht" and "bga" elements, device testing, diagnostics and repair.

Electrician in "Wrosystem de"

Construction worker

Electrician in "Romanik"

Assembly machine develop

Skills:

Programming language:
C++
Python
HTML/CSS
Git

Programs:
Visual Studio
codeBlocks
Dev C++
Arduino IDE
Thonny

OS:
Windows 10
Linux Ubuntu/Debian

Hobby:

Play folk music in band "Góra Trolla".
Travelling.
Football.
Tech.

Education:

Shipbuilding Technical School

Electrical Technician
Gdynia 2007 - 2011

My projects:

First project:

Device 2in1. The temperature sensor and light switcher. This device is my first project. The heart of this gadget is the Arduino pro mini. To write program use a PlatformIO witch is alternative to Arduino IDE. LCD is connected with I2C converter. Lights are turning on via relay and photoresistor.

Smart home:

Project in progress. This device may be a simple automate control home through the smartphone. Connect between smartphone and motherboard witch is Arduino UNO is realized by BB Mobile module Bluetooth. In project include a Raspberry Pi PICO uses sensor PIR. It is alarm, must be in everyone house. Another best thing in this project is a light switch. It's the same as a "First project" but light is turning on with app. Next thing is a wireless control of the roller blind. It use arduino pro mini and servomechanism.

Noise toaster:

It's a simple noise synthesizer, fully analog. Good to practice soldering and work with schematics and documentation. It's great to make some noise :) http://musicfromouterspace.com/analogsynth_new/NOISETOASTER/NOISETOASTER.php