

Michał Kucharz

Curriculum Vitae

github.com/chromatic-aberration
michal.ku@op.pl
+48 731 844 961

PROFILE

Place and Date of birth:

Krakow, Poland, 1997.10.05

Address:

ul. Spokojna 21/9
30-054 Kraków

Languages:

Polish: Native
English: C1

Availability:

Full time

STUDIES & WORK

Mikołaj Kopernik Brzesko High School 2013-2016

profile: Mathematics - IT - Physics

AGH University of Science and Technology

F. of Physics and Applied Computer Science 2016-2017

major: Applied Computer Science (polish)

F. of Computer Science, Electronics and Telecoms since 2017

major: Electronics and Telecommunications (english)

Internship: FUH Climax Rafał 2017

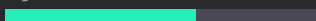
Fibre optics installations, computer repairs, installing and configuring home networks.

SKILLS

Python3: Advanced



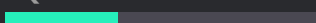
Python2: Intermediate



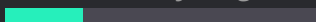
C/C++: Intermediate



SQL: Intermediate



AVR assembly: Beginner



Additionally:

Git, Agile, REST API, MQTT, Websocket,
Linux, multimeter and soldering

basic knowledge: embedded systems
(experience with Arduino, Raspberry Pi
Pico (ARM) and FRDM-KL05Z - Cortex M0+),
electronics, networking, MATLAB and
Adobe Photoshop

PERSONAL PROJECTS

Chat Bot (Python)

Bot using Discord web communicator's API, contains
variety of commands and features such as interactive
multiplayer Uno game. Utilising i.e.: asyncio, sqlite, logging,
json, requests and pillow.

ARM Space Invaders (C)

Custom version of retro game Space Invaders. Written for
FRDM-KL05Z microcontroller with video output via SPI
interface. Controlled using Python script on pc communi-
cating with the board using UART over USB.

MQTT Smart Home (Python, JS)

Network of IoT devices communicating with each other
using MQTT protocol. Web Interface (using JQuery)
running on Raspberry Pi with monitoring and control of
connected devices, like programmed with MicroPython
Raspberry Pi Pico or Python program acting as additional
clients with paho-mqtt library.

Chess & Checkers (C++, Java)

C++ CLI chess, later rewritten to Java with GUI using Swing.