# Vladyslav Bobrykov

## Embedded Hardware/Software Engineer

Embedded Engineer with 1.5 years experience in developing software and devices with experience in teaching

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## WORK EXPERIENCE

### Embedded Hardware/Software Engineer
Alvi Prague

*07/2020 - Present*                                          *Kremenchuk, Ukraine*

*Development and manufacturing medical and cosmetic devices*

*Achievements/Tasks*

- Develop electronic devices used AVR 32-bit and STM32 MCU:
- Developed device based on STM32 performs 9 cosmetic functions
- Implemented porting the functionality of the device based on AVR 8-bit to AVR 32-bit MCU

### Trainer (on vacation due to quarantine)
Robo.House

*02/2020 - Present*                                                  *Lviv, Ukraine*

*Children school of programming, electronics and robotics*

*Achievements/Tasks*

- Teaching children robotics, electronics and programming (C/C++, Arduino)
- Implemented soldering and PCB's manufacturing lessons

### Embedded Hardware/Software Engineer
ECO-TECH ENGINEERING

*08/2018 - 09/2019*                                          *Kremenchuk, Ukraine*

*Development and manufacturing water filters, germicidal lamps*

*Achievements/Tasks*

- Developed electronic devices used AVR 8-bit MCU:
- Electronic unit for filter regeneration
- Automated water vending device (Tradepoint)
- Vending machine
- Implemented 2 functions for Tradepiont and Vending Machine: automatic water flow and money counting.

## EDUCATION

### GlobalLogic Linux Kernel BaseCamp
GlobalLogic EDUCATION

*04/2020 - 06/2020*                                              *Online Course*

### Computer Science
Lviv Polytechnic National University

*09/2020 - Present*

### Automation and computer-integrated technologies
Kremenchuk Mykhailo Ostrohradskyi National University

*09/2015 - 07/2019*

*Diploma's topic*

- Device for monitoring the current-voltage characteristic of a diode

## SKILLS

AVR 8-bit
● ● ● ● ◯

AVR 32-bit
● ● ◯ ◯ ◯

STM32
● ● ● ● ◯

C
● ● ● ◯ ◯

C++
● ● ◯ ◯ ◯

Linux Kernel (Drivers and Modules)
● ● ◯ ◯ ◯

Digital Circuit Design
● ● ● ◯ ◯

Analog Circuit Design
● ● ◯ ◯ ◯

Design PCB Layout
● ● ● ◯ ◯

Manufacturing PCBs
● ● ● ● ◯

Bash Scripting
● ● ◯ ◯ ◯

Raspberry Pi
● ● ● ◯ ◯

ESP32/ESP8266
● ● ● ◯ ◯

Git
● ● ● ◯ ◯

## FREELANCE PROJECTS

Security System (03/2020 - 05/2020)

- Developed embedded part of the system used ESP32/ESP8266

## LANGUAGES

English
● ● ● ◯ ◯