

# Yavor Ivanov

## System Programmer

### CONTACT ME

 +359-878-119-024

 yavor.ivanov162@gmail.com

 Sofia, Bulgaria

 Yawkata

### EDUCATION

#### System programming

**Technological School Electronic Systems (TUES) of the Technical University of Sofia (TU-Sofia)**

 2019 - current

 Sofia, Bulgaria

### SKILLS

- C / C++
- HTML / CSS
- Java
- Python
- MySQL
- Bash
- Arduino
- Embedded
- Computer networks

## EXPERIENCE

### Hacktues 6

Team of 5

- Participant in project "**Parkopedia**" - Web site that aims to make people's daily lives easier by finding the closest parking lot to a user's location.

### Hacktues GG

Team of 5

- Participant in project "**Green goal**" - Web app that offers an online marketplace that connects organic food producers with interested buyers.

### TUES Fest 2023

Team of 2

- Participant in project "**Hand-Controlled-Tilting-Maze**" - Embedded project based on Arduino, where the player navigate through a maze remotely by tilting a controller equipped with a gyroscope.
- Won sponsor's award by "**DXC Technologies**"

## PROJECTS

### Quiz Game

Own

- A simple console game, inspired from the popular show "Who Wants to Be a Millionaire".

### Scrabble

Team of 3

Term project for subject System Programming

- A game whose goal is to type as many words as possible. Each word entered is checked against a special data structure (Trie), which is built from a dictionary of 10 0000 words. Points are given based on the complexity of the word.
- My part in the project was to implement the serialization and deserialization algorithm of the data structure.

### Employee Record System

Own

Term project for subject System Programming

- A console-based employee recording system that allows adding, deleting and editing records. There are also options for sorting and searching employees by different criteria.

### Vectors and Lines

Own

Project for subject Mathematical basics of programming

- A program that calculates the next position of a billiard ball using the impact force and direction vector.

### Typing Speed Test

Own

Term project for subject "Scripting Languages"

- A program that calculates how many words per minute you can type.

### Smart Lamp

Own

Term project for subject Embedded

- This project represents device for controlling a lamp or any other electrical appliances by sound signal. The aim of the project is to replace the common on and off button with clapping twice with hands.