

# Yordan Yordanov

## EDUCATION

- 2022 – PRESENT **Ruse University, Ruse, Bulgaria**  
*BSc Computer Systems and Technologies*
- FEB - JUNE 2025 **Czech Technical University, Prague, Czech Republic**  
*Erasmus*
- 2023 – 2024 **University of Ioannina, Ioannina, Greece**  
*Erasmus*
- 2018 – 2021 **IT-Kariera**  
*Qualification: Applied programmer*
- 2013 – 2021 **Baba Tonka High School of Mathematics, Ruse, Bulgaria**  
*Secondary education*

## WORK EXPERIENCE

November 2022 – FEBRUARY 2023  
*Photolithics*

### Software Engineering Intern

Contributed to the development of a hardware–software system for testing image sensors. Implemented Python scripts for instrument control and data collection to support quality assurance workflows.

March 2022 – APRIL 2022

*TelebidPro*

### Software Engineering Intern

*JavaScript, PHP, PostgreSQL. Using APIs.*

August 2020

*DSI Ltd.*

### Software Engineering Intern

*Employee management webapp (Node.js, mysql)*



jormil446@gmail.com



github.com/thr33bricks



[yourdan.uk](http://yourdan.uk)

## SKILLS

PROGRAMMING	Python, C#, JavaScript,
LANGUAGES	C/C++, Dart
DBMS	MySQL, PostgreSQL, SQL Server
OS	Ubuntu Server, Windows
OTHER	Git, OpenCV, Docker, Nginx

## PERSONAL PROJECTS

### Wafer testing

Designed a precision testing system for diced semiconductor wafers, integrating computer vision and motion control. Developed software for automated camera alignment, achieving sub-5  $\mu\text{m}$  positioning accuracy on  $1 \times 1$  mm chips.

### ParkOMP – Parking of the future

The project aims to create a global automated access control parking system by recognizing vehicles' license plates on all entrances and exits of a parking with the help of a custom LPR algorithm.

[Demo](#)

### Accessify

Access control system intended for use in residential complexes and industrial facilities. Based on Arduino Mega. It is meant to be managed with a Windows application written in C#.

## HONORS & AWARDS

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- 2024 **RuseConf 2024 Lecturer**  
*Presented a BLE-related lecture*
- 2023 **Huawei SFTF Scholarship**  
*Won a 2000 euro scholarship*
- 2021 **National Olympiad in IT**  
*Laureate – 1<sup>st</sup> place in IoT*
- 2021 **Mladi Talanti National contest**  
*Excellent performance*
- 2020 **John Atanasoff National IT Tournament**  
*5th place*
- 2019 **TeenHack regional hackathon**  
*2nd place with team “Sezam”*

## LANGUAGE SKILLS

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BULGARIAN	<i>Native</i>
ENGLISH	<i>Fluent</i>
GERMAN	<i>Elementary</i>

## PERSONAL PROJECTS

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### *Connect 4 game - embedded*

*In a two-person team at the Czech Technical University, I developed a Connect 4 game for the MicroZed APO board as part of the Computer Architectures course. Written entirely in C, the project used a finite state machine to control the game flow and integrated several peripherals such as the LCD, LEDs, rotary encoders, and a piezo speaker. The work emphasized teamwork, embedded system design, and low-level programming.*

[Link](#)

### *Reddit video scraper*

*Stores video data into a MySQL database and then downloads videos to disk. Written in Python.*

### *Advanced clicker*

*An easy-to-use Windows program for clicking automation written in C#.*

[Link](#)

## PUBLICATIONS

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- 2023 **Reversing BLE Remote Control Protocols of Dual Channel LED Lamps with CCT and Illumination Control**  
*Conference paper; IEEE*