



NICU-SERBAN POP

Software Developer | 📍 TIMISOARA, ROMANIA | +40 731 344 687

◦ DETAILS ◦

Timisoara, Romania
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NATIONALITY

Romanian

DRIVING LICENSE

B

◦ LINKS ◦

[Personal Website - sheiddy.com](#)

◦ SKILLS ◦

Linux

Visual Studio

Arduino

C/C++

C#

Python

Java

HTML/CSS

PHP

MySQL

◦ LANGUAGES ◦

English

Italian

📁 EMPLOYMENT HISTORY

Junior Software Developer at Hella Romania, Timisoara

February 2016 — November 2017

- Created 3D Models of real life objects and development samples to be used in prototypes.
- Designed algorithms in C to be used in detecting rain and fog density on a windshield.
- Worked on improving gesture detection sensors base software in C.
- Designed and Implemented a productivity software for remotely managing an array of microcontrollers in C#, Java and C.
- Created advanced C/C++ macros designed to ease the use of all microcontrollers GPIOs in software development.
- Worked on developing read/write modules for EEPROM on certain chips.

Engineer at ERSI SRL, Timisoara

May 2013 — Present

- Guaranteeing functionality of all computers, printers and networks in the firms offices.
- Web presence and servers maintenance.
- Network printers configuration and maintenance.
- Software re-configuration on all computers when needed.
- Wire-cutting machines configurations

🎓 EDUCATION

Masters Degree in Information Technology, Polytechnic University, Timisoara

September 2019 — June 2021

Bachelor's Degree in Computer Science, Polytechnic University Timisoara, Timisoara

September 2013 — June 2017

Relevant Coursework: Operating Systems, Compilers, Microcontrollers and Processors, Computer Networks and Networking.

Subjects included: Computer Programming, Electronic Systems, Computer Security, Database Design, Digital Telecommunications, Digital Micro-systems, Operating Systems, Software System Design, Embedded Systems, Microprocessor Systems, Compilations Techniques

Baccalaureate Diploma, Grigore Moisil Highschool, Timisoara

September 2009 — June 2013

Mathematics and Information intensive high school.

EXTRA-CURRICULAR ACTIVITIES

Design Member at Liga AC, Timisoara

September 2013 — March 2017

This is a multidisciplinary student association that focuses on developing the students from a professional point of view, giving students hands-on experience in projects and allowing them to apply the theoretical knowledge obtained at the university to the real world. The association also holds regular workshops for younger students.

I learned to manage and work on multidisciplinary teams of reasonable numbers, sometimes more than twenty people on the same team, communicate efficiently, and push ideas further. I was also a member of the Design Department that was the Image of the association and was responsible with everything design-related such as posters, logos, flyers.

PROJECTS

September 2012 — Present (more recent first)

- *Published paper on IEEE Xplore called "**Measurement application for UV-C irradiation intensity evaluation**"*
- *Created a UV sensing robot that can be controlled and sent into remote areas to study UV light.*
- *Tarkov Barter Helper - ASP.NET page used in helping managing inventory items in an online game called Escape from Tarkov. Also a windows app for this but with more features.*
- *Trade Lounge Bot - parses entire trading websites for trades that are favorable for the user.*
- *Soccer Stats Retrieval - Finds favorable football matches to bet on using an array of statistics and prediction algorithms.*
- *Implementation of a Multi-Sensor Based System for Environmental Conditions Monitoring in a Small-Scale Greenhouse (bachelors degree)*
- *Hex Converter - converts decimal numbers into HEX to be used in a certain array of microcontrollers.*
- *Eating Game - simple game made in unity similar to Pac-Man.*
- *CloudBox - Cloud based platform for storing files online.*
- *Steam Market Bot - Shopping bot for buying and selling items in order to make profit.*
- *Arduino Oscilloscope - Arduino based oscilloscope for measuring and testing different kinds of circuits.*
- *Arduino Distance Sensor - Remote Car distance sensors based on Arduino.*
- *Arduino Remote Control - Remote controlled circuit using a TV remote.*
- *Arduino Benchmark - tests different components of an Arduino platform.*
- *Bet Tracking Website - Website used to track bets placed on dota2lounge.com*
- *e-School - Website for viewing school related material like grades, absences etc.*
- *Locuri Remarcabile din Timisoara - city presentation website.*
- *SA-MP Website - Web Interface for the San Andreas Multiplayer server that I had awhile back.*

All projects can be found in my portfolio on my website with additional information.