



## George Catalin Salavarin

**Nationality:** Romanian **Date of birth:** 03/08/2001 **Gender:** Male

**Phone number:** (+40) 7

### WORK EXPERIENCE

#### Electronics engineering technician

**Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN HH)** [ 10/05/2022 – Current ]

**Address:** Reactorului 30, 077125 Magurele (Romania)

**Website:** <https://www.nipne.ro/>

**Name of unit or department:** Department of Elementary Particle Physics (DFPE) - **Business or sector:** Professional, scientific and technical activities

- Development of custom microcontrollers/FPGA based systems;
- Microcontroller configuration using MPLAB X IDE/Arduino by using C language:
  - communication protocols: UART, SPI, I2C;
  - state machine;
- Development a module of Buck switching mode power supply used for application with FPGA/ASIC/SoC/SoM;
- Development of an quality and fiability switching mode power supply automating testing stand using ADP5050 and bPOL12V chip;
- Development application for AC power monitoring and implement an overvoltage, undervoltage and overcurrent protection;
- PCB Design with Altium Designer;
- Development LabVIEW applications;

#### Teaching assistant

**Faculty of Electronics, Telecommunication and Information Technology** [ 01/10/2023 – Current ]

**City:** Bucharest

**Country:** Romania

- Electronics instrumentation of measurement;
- Measurement in electronics and telecommunication;

### EDUCATION AND TRAINING

#### Electronics Engineering

**Faculty of Electronics, Telecommunications and Information Technology** [ 20/07/2020 – Current ]

**Address:** Iuliu Maniu no. 1-3, 061071 Bucharest (Romania)

**Website:** [www.electronica.pub.ro](http://www.electronica.pub.ro)

- Basic Electronic Circuits;
- Digital Integrated Circuits;
- Electronic Components Models for SPICE;
- Electronic Measurement Instruments;
- CAD Software programs;
- Fundamentals of DAQ systems;

- Data Base;
- C/C++ Language;

## LANGUAGE SKILLS

---

Mother tongue(s): **Romanian**

**Other language(s):**

**English**

**LISTENING B2 READING B2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

---

Altium Designer / MPLAB X IDE / C++ / C / Python basic / Arduino / LabVIEW / Multisim / Microsoft Office / Microsoft Excel / Microsoft Word / OpenCV / Microsoft Powerpoint / Outlook / Zoom / Skype

## ORGANISATIONAL SKILLS

---

### Organisational / managerial skills

- Good organizer of the time for the successful adoption of objectives in an optimal time scale. I was involved in teaching activities by tutoring the Physics discipline for the high school final exam (Baccalaureate Exam) and in university I am Teaching Assistant at the laboratory of Electronics Instrumentation Measurement.

## COMMUNICATION AND INTERPERSONAL SKILLS

---

### Communication skills

- Good communication skills gained as a result of the projects that I was part of within the League of Electronics Students and by participating at various workshops by participating in the meetings of the LHCB group.

## HOBBIES AND INTERESTS

---

### Field of interest

- Analogue and digital electronics;
  - DC/DC Power supply;
  - DAQ systems;
  - PCB layout (Altium Designer);
  - Matlab, NI LabView, NI Multisim;
  - FPGA based systems;
  - Automotive electronics;
  - C language;
-