



Cristian-Constantin Rădulescu

Nationality: Romanian **Date of birth:** 14 Apr 2001 **Gender:** Male

Home: Bulevardul Iuliu Maniu 1-3, Bucuresti (Romania)

WORK EXPERIENCE

Electronics technician

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering [Mar 2023 – Current]

Address: Reactorului 30, 077125 Măgurele (Romania)

Website: nipne.ro

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

- Designing and implementing custom embedded systems applicable to high-energy physics experiments
- Developing automated test benches to evaluate photodetector performance
- Implementing a multi-sensor platform for monitoring indoor environmental quality, including natural radiation background
- Collecting experimental data, analyzing and interpreting results
- Developing graphical user interfaces.

EDUCATION AND TRAINING

Electronics and Telecommunications Engineering

Faculty of Electronics, Telecommunications and Information Technology [2020 – Current]

Address: Iuliu Maniu 1-3, 061071 București (Romania)

Website: etti.upb.ro

- *Technical courses*
Signals and Systems, Electronic Devices, Passive Components and Circuits, Analog Integrated Circuits, Digital Integrated Circuits, Electronic Measuring Instruments, Audio Engineering, Microprocessor Architecture, Microcontrollers, Data Structures and Algorithms, Object-Oriented Programming, Microwaves, Databases, Computing systems architecture, Programmable electronic systems

Infineon Summer School Digital Circuits, Design & Verification

Infineon Technologies Romania [Jul 2022]

Address: Novo Park Dimitrie Pompeiu 6, 020335 București (Romania)

Website: infineon.com

- Implementation and testing of UART digital circuit using Verilog hardware description language and object-oriented programming

DIGITAL SKILLS

Altium Designer PCB / Matlab / MySQL / Arduino / Autodesk Fusion / LabVIEW / Origin / C / C++ / Verilog / Python basic / HTML / CSS / Microsoft Office / Linux



PROJECTS

PNCDI III, Module CERN-RO, Program 5, Subprogram 5.2 LHCb

Project targets future particle production, heavy hadron decay and detector upgrade phases in the HL-LHC era

COMMUNICATION AND INTERPERSONAL SKILLS

Soft skills

- During my studies I developed the ability to communicate effectively, both within project teams and in interaction with colleagues and teachers. My ability to listen carefully, express ideas coherently and negotiate solutions helps me to contribute constructively to any team.
- I have also gained adaptable communication skills during my work experience, working with people from diverse cultural and professional backgrounds. This experience has taught me to adapt quickly to changing environments and to communicate effectively in a global context.

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

DRIVING LICENCE

Driving Licence: B