

Cezar Chirila

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www.cezarchirila.com

PERSONAL INFORMATION

Nationality: Romanian

Born: April 5th, 1995 in Suceava, Romania

Address: Nottingham, United Kingdom

PROFILE

Electronic Engineering graduate, current postgraduate student in the United Kingdom, with professional experience in the field and a large project base including award winning projects and numerous technical articles published online.

Hardworking and characterized by a genuine desire to help, enthusiasm and reliability.

EDUCATION

University of Nottingham

Nottingham, UK

Electrical and Electronic Engineering (MSc)

Starting 2018

Technical University of Cluj-Napoca

Cluj-Napoca, RO

Electronics, Telecommunications and the Information Technology (BSc)

2014-2018

Specialisation: Applied electronics

Grade: 10/10

National College "Petru Rares", Suceava

Suceava, RO

Profile: Nature science

2010-2014

Grade: 9.25/10 (Romanian Baccalaureate)

Languages

Romanian: First language

English: Level C2, IELTS Academic - 8.5 Overall (Nov 2017); Level C1, CAE - Grade B (Jun 2013)

French: Intermediate (speaking, reading); basic (writing)

SKILLS

- Analog and Digital circuit design: Power Electronics and Microcontrollers;
- PCB and Schematic Design – Altium Designer, KiCAD, OrCAD, Eagle;
- Electronic Design Simulation (SPICE simulators);
- Programming languages: C/C++ (Advanced) (MCU experience: AVR 8-bit, STM32), Verilog (Novice), Java (Intermediate), HTML5 / CSS3 / JavaScript (Intermediate), Python (Novice);
- 3D design: Autodesk Fusion 360;
- 3D printing: extensive hardware knowledge, most slicers on market (Ex.: Cura, Simplify3D);
- Media: Photoshop (image processing), Sony Vegas and Adobe Premier (video editing).

WORK EXPERIENCE AND ACCOMPLISHMENTS

Hardware Engineer at Continental Internship at Continental Automotive Systems, Sibiu in Powertrain division	Aug-Oct 2017
Writer at AllAboutCircuits.com Writing technical articles and documenting various personal projects	2016 – present
Volunteer at Unica World Movie Contest Editing videos and logistics	August 2016
First prize winner* Student Symposium on Electronics and Telecommunications Participated with diploma project: Thermal Imaging Camera *Have also received <i>Best project</i> from Bosch representatives for the same project	Spring 2018
First prize winner (team effort) Polihack – Embedded Section Designed and built a fall detection device for the elderly	Spring 2016

PERSONAL PROJECTS

Personal Projects documented on my blog www.CezarChirila.com:

- Built my own 3D printer following the Reprap project;
- LED matrix coffee table;
- ESP8266 Wi-Fi login sketch;
- Function Generator using Analog Devices AD9833 IC;
- Thermal Imaging Camera using MLX90621 (diploma project).

Technical Articles and Projects designed and documented for www.AllAboutCircuits.com:

- Do-It-Yourself Soldering Station with an ATmega8;
- House-Monitoring Framework with Arduino and Raspberry Pi: The Paranoid App;
- Driving LED arrays with Arduino;
- How to build a class D power amplifier;
- DIY Arduino-Based Sous-Vide Machine.

REFERENCES

Available upon request.