

# Cezar Chirila

+40726002823 | [contact@cezarchirila.com](mailto:contact@cezarchirila.com)  
[www.cezarchirila.com](http://www.cezarchirila.com)

## PERSONAL INFORMATION

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**Nationality:** Romanian

**Born:** April 5<sup>th</sup>, 1995 in Suceava (Romania)

**Address:** str. Tomsa-Voda, nr 40C, Solca, Suceava, Romania (currently living in Cluj-Napoca)

## PROFILE

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I am an electronic hobbyist and a current student in Electronics and Telecommunications with a large homemade project base, such as function generators, audio amplifiers and LED matrix displays.

I have a genuine desire to help people and I am enthusiastic, hardworking and very reliable.

I consider myself to be very tech-savvy, with general knowledge of every specific part of what is considered electrical and electronic engineering, with professional experience.

## EDUCATION

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**Technical University of Cluj-Napoca**

Cluj-Napoca, RO

*Electronics, Telecommunications and the Information Technology*

2014-2018

*Specialisation: Applied electronics*

**National College "Petru Rares", Suceava**

Suceava, RO

*Profile: Nature science*

2010-2014

### 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

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- Analog and Digital circuit design, especially regarding microcontrollers and power supplies;
- PCB and Schematic Design – KiCAD, OrCAD, Eagle;
- Electronic Design Simulation (SPICE simulators);
- Programming languages: C/C++ (Advanced) (MCU experience: AVR 8-bit, STM32), Java (Advanced), HTML5 / CSS3 / JavaScript (Intermediate), Python(Novice);
- 3D design and 3D printing: 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

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<b>Hardware Engineer</b> at Continental	Aug-Oct 2017
Internship at Continental Automotive Systems, Sibiu in Powertrain division	
<b>Writer</b> at AllAboutCircuits.com	2016 – present
Writing technical articles and documenting various personal projects	
<b>Volunteer</b> at Unica World Movie Contest	August 2016
Editing videos and logistics	
<b>First prize winner (team effort)</b> Polihack – Embedded Section	Spring 2016
Designed and built a fall detection device for the elderly	
<b>Participant</b> at various Hackathons	Spring 2016
Techsylvania Hackaton, HomeHackers at Academy Plus	

## PERSONAL PROJECTS

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**Personal Projects documented on my blog [www.CezarChirila.com](http://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.

**Technical Articles and Projects designed and documented for [www.AllAboutCircuits.com](http://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.