# SZASZ FRANCISC

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27/08/1996 (25 Years old) francisc\_szasz@yahoo.com

#### Tech enthusiast aspiring to become a software developer

### **EXPERIENCE**

**JULY 2019 – SEPTEMBER 2019** 

**JULY 2020 – SEPTEMBER 2020** 

#### **Factory worker, NIEMANN LEICHTBETON**

Welding bending and preparing the iron bars to be used in iron-concrete forms.

**JULY 2017 – OCTOBER 2018** 

**Factory worker, KED** 

Mounting the safety systems on the helmets.

**MAY 2016 - JUNE 2017** 

### **Electrical Conductors Producer, CABLETEAM**

Production of insulated automotive conductors using a plastic machine. Manufacturing different size of conductors and colours based on the orders. Managing raw materials, and inspecting the condition of the cable before entering quality phase.

# **EDUCATION**

#### February 2022

#### **STUDENT, TRANSILVANIA UNIVERSITY OF BRASOV**

Currently 4<sup>th</sup> (final) year of the Electrical Engineering and Computer Science (English) degree.

**JUNE 2015** 

**BACCALAUREATE, LICEUL "ST. O. IOSIF." RUPEA** 

# **SKILLS**

	Basic level	Medium level		Advanced level	
•	Java	•	HTML	•	Target3001
•	C++	•	css	•	Proteus 8
•	Python	•	JavaScript	•	LTSpice
•		•	Arduino	•	Falstad
•		•	C	•	TinkerCAD

# **TOOLS**

- CodeBlocks
- Eclipse IDE (for Java)
  - Visual Studio
  - Oscilloscope

- Spectrum Analizer
  - Signal Generator
    - Multimeter
    - Soldering iron

### **PROJECTS**

#### INTEGRATED HIGH-FIDELITY POWER AMPLIFIER

- The project consists of 2 class AB power amplifiers and a preamplifier. They are supplied by 2 custom made power supplies, 12V for the preamp, and 45V for the amp.
- The preamp has a tone control embedded which is used to boost certain frequencies. The amp consists of 2x4 IGB transistors which amplify the current and a power of about 200W RMS is obtained.
- Circuit boards were made using Target3001 and produced by JLCPCB.
- For simulations i used LTspice and Falstad.
- An arduino based monitoring system is reading the voltages and temperatures, and displays them in order to have a brief idea about system overall state



#### **ACTIVITIES**

In my spare time, I love playing video games , and creating music. I'm using Fruitty Loops Studio for 10+ years, and became a pretty good creator. Recently i'm focused on creating Lo-Fi beats, which are mainly made for listening in the background while sleeping or doing homework:)

