SZASZ FRANCISC

Cata, jud. Brasov, 171 Main Street · **+40 720628821**

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 4th (final) year of the Electrical Engineering and Computer Science (English) degree.

JUNE 2015

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

SKILLS

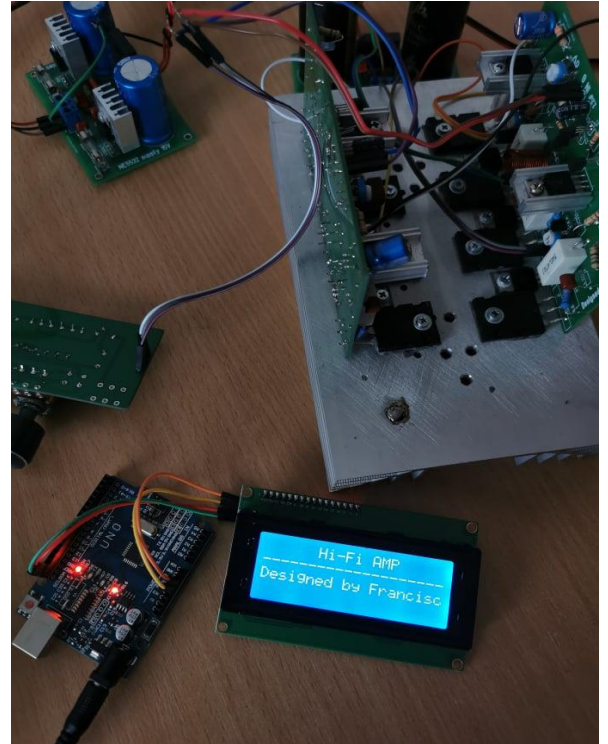| Basic level	Medium level	Advanced level
• *Java*	• *HTML*	• *Target3001*
• *C++*	• *CSS*	• *Proteus 8*
• *Python*	• *JavaScript*	• *LTSpice*
•	• *Arduino*	• *Falstad*
•	• *C*	• *TinkerCAD*

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 :)