

# STRUNGAR DAN

S T U D E N T



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## PROFILE

I am a third year student in Computer Science at Technical University of Cluj-Napoca, with a passion for programming, gaming and discovering new things. My hobbies are motorcycling, team sports, traveling, mountain excursions, cycling and running. I am a funny and sociable person who is always looking forward to being part of a team, meeting new people and making new friends.

## TECHNOLOGIES

- C/C++
- JAVA
- Spring/SpringBoot
- Angular
- Python
- Django
- HTML/CSS
- JavaScript/TypeScript
- React/React Native
- VHDL
- Docker
- SQL/MySQL
- Matlab/Simulink
- Haskell
- Elm
- Prolog
- Arduino/ESP32/RaspberryPi
- Assembly(x86)
- Firebase
- Git
- MS Office

## LANGUAGES

- English (Cambridge Certificate B2)
- German (ÖSD Certificate B2)

## EXPERIENCE

### MODEL BASED SOFTWARE DEVELOPER INTERN

Bosch, Cluj-Napoca, Romania  
01.07.2024 - 30.09.2024

At Bosch, I developed EV charging system models using MATLAB and Simulink, focusing on a predictive function for charging time estimation, data analysis, and error management. This enhanced my modeling skills and collaboration in sustainable mobility solutions.

### SOFTWARE DEVELOPER INTERN

Guehring KG, Albstadt, Germany

07.2023 - 09.2023

At Guehring KG in Germany, I enhanced my technical skills in **Java (Spring Boot 3), Angular and Docker**, developing a tolerance calculator and a CSV-based material data management application. Working in a bilingual environment (German & English) improved my language proficiency and collaborative abilities.

Github repo : <https://github.com/Danutz2003/Tolerance-Calculator.git>

### HARDSET

Embedded Systems & App Developer

- A signaling system with automatic braking for cyclists, designed to be easily mounted on any bicycle helmet.
- Worked on firmware and system integration.
- Designed and developed electronic circuits and PCB layouts.
- Contributed to mobile app for system control and monitoring.

## EDUCATION

### UNIVERSITY

Technical University of Cluj-Napoca

2022-present

- 4 major projects with Java-Spring Boot, Angular/Java Swing
- 1 major project with Python-Django (Collaborative Project Management Tool)
- 5 major projects with C/C++ (operating systems related)
- 1 major project with React-Native (Bear attack warning system)