Emanuel-Theodor Pantelimon

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EDUCATION

Baccalaureat degree in Computer Science
Colegiul National Ferdinand I, Bacau

- 📅 *Jully 2023*
- 📓 *Grade: 8.98*
- 📍 *Bacau, Romania*

Bachelor Student
Faculty of Electronics, Telecomunications, and Information Technology, Politehnica University of Bucharest

- 📅 *2023-2027*
- 📍 *Bucharest, Romania*

COMPUTER SKILLS

3D Modelling
- 📦 Autodesk Fusion 360
  Skilled in solid modelling and assembly of mechanical components, with experience in creating practical and efficient designs.
- 📦 3D Printing
  Experienced in operating and maintaining 3D printers, including model slicing, calibration, routine maintenance, and troubleshooting hardware/software issues.

Circuit design
- 🎛 KiCad EDA
  Skilled in designing circuit schematics and PCB layouts.

Programming Languages and Software Skills
- **C/C++**: Intermediate
- 🐍 **Python**: Intermediate
- 🔳 **Bare Metal Embedded Programming**: Intermediate

COLLABORATIVE PROJECTS

- ✅ **Electron Hackathon 2025** - *"Mini sumo simulator"*
  A mini sumo simulator written in *C* using Raylib and Box2D. Participants have to write a Python script to control their robot and defeat an adversary robot.
- ✅ **Electron Hackathon 2024** - *"Think inside the box"*
  "Think inside the box" is a task created for the **Connect and Control** section of the **Electron Hackathon**.
- ✅ **PIA HUNT** - *second phase*
  A simple challenge consisting of a snake game coded in C that could be controlled via the serial interface or over WiFi using the UDP protocol.

COMPETITIONS

- **Concursului Profesional „Tudor Tănăsescu", etapa Națională**
  - *Semnale, Circuite și Sisteme (SCS)*
    - 2025
    - ✔ **First place**
- **Robochallenge**
  - *MiniSumo*
    - 2024
- **Robochallenge**
  - *Freestyle*
    - 2024
    - ✔ **Second place**
- **FIRST® LEGO® League Virtual Open International Greece**
    - 2021

REFERENCES

References and further details can be provided upon request.