Matei Ignat

Cara Angel 17, 37 — 0736860402 — mateiignat03@gmail.com

github.com/ignatmatei

SUMMARY

I am a fourth-year Computer Science student with a strong passion for technology. I am dedicated, organized, and driven to excel in both my academic and extracurricular pursuits.

EXPERIENCE

Smarttech Cybersecurity — June 2025 – Present
Cybersecurity Analyst

AWARDS

2025 IMC Challenge — Huawei — July – Sept 2025
imc25.kattis.com/contests/imc25-1/teams/806093

Ranked in the **top 30 teams worldwide** in Huawei's *IMC Challenge 2025*, a month-long algorithmic and optimization competition focused on high-speed signal simulation and equalization. Designed and implemented optimized algorithms to model, simulate, and stabilize signal behavior under real-world noise and bandwidth constraints. Applied numerical methods, data optimization, and systems analysis to achieve high accuracy and computational efficiency.

EDUCATION

Faculty of Automatic Control and Computer Science — 2022 – Present
Computer Science Undergraduate

Gheorghe Moisil National College — 2018 – 2022
Mathematics and Informatics — High School Degree

PROJECTS

CompanyClassifier — github.com/ignatmatei/companyClassifier
Building a robust company classifier for a new insurance taxonomy using heuristic labeling and deep learning for accurate classification.

CPU — github.com/ignatmatei/cpu
A Verilog implementation for a configurable 16-bit CPU (Nexys A7 board).

Trading Engine — github.com/ignatmatei/tradingEngine
Neural network that predicts stock movements on the Bucharest Stock Exchange.

LAN Party — lanparty.lsacbucuresti.ro
Developed the frontend landing page and backend logic for team registration using the MERN stack.

XenCV — github.com/ignatmatei/winning-team
Hackathon project: Retrieval-Augmented Generation AI model using Pinecone for vector storage, LlamaIndex for processing, and GPT-4-Turbo as the LLM.

TEACHING EXPERIENCE

Undergraduate Teaching Assistant — Sept 2024 – Present
Politehnica University of Bucharest
Teaching object-oriented programming in Java.

VOLUNTEERING

LSAC București — 2022 – Present
Senior Volunteer — IT Department Member

SKILLS

C/C++, Python, Java, JavaScript, Go

LANGUAGES

English — C2