



# BOGDAN ION



## About Me

I am a 22 year old Computer Science student in my final year and I'm looking for a master thesis opportunity. I'm currently studying Machine Learning, but I have a passion for developing apps. I have a 9 years' personal experience in coding and I've explored a lot of fields during these years, and all these experiences allowed me to understand better how everything is connected and to be versatile. So now, my main hobby is LogIQ Puzzle, my own app which I am currently managing daily. I invite you to read more about me on my website!



## Work Experience

### INTERN EMBEDDED

2022

#### AROBS TRANSILVANIA SOFTWARE | 3 MONTHS

During the Internship I worked on a side project consisting of creating a 4 wheeled robot with different sensors which had at its core 3 STM32 Nucleo Boards. The results can be seen on my GitHub page, /UniWork.

### TEAM LEADER

2017-2021

#### IDEAL ELECTRONICS

Local robotics team, participating in First Tech Challenge Romania every year, winning multiple important awards for programming innovation. The precise domain was the ingenuity with which the robot was programmed during his autonomous period.



## Projects

### LOGIQ PUZZLE

My own mobile application deployed on both AppStore and Google Play. This started as a hobby for both mobile apps and puzzles, so I decided to create my own and share it with the world. Its main target is Romanian consumers, because the language of the puzzles is in Romanian, the puzzles being similar to Wordle/Crosswords, summing up to a total of 8 of them (per day!). The app was built using React Native and I use Firestore as a database.

### OTHER PROJECTS

- Graph-based biomarker extraction of brain vascular networks - trying to reconstruct tubular tree-like structures (blood vessels) accurately.
- Autonomous Robot - ROS2 | Project over 2 semesters, videos on Github
- Bachelor Thesis - Custom PaaS | Built my own PaaS that allows configuration of projects to be deployed (Docker, MongoDB and Angular were used)



## Additional information

### VOLUNTEER

2021-2024

#### FIRST TECH CHALLENGE ROMANIA

For the same Robotics Competition, after I wasn't eligible to continue participating in it, I decided to continue helping the organizing of the competition, becoming an ALUMNI.

## Contact

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760 Chem. de la Tire, Mougins

## Education

### In progress

#### Master of Autonomous Systems and Intelligent Robotics

KTH University, SWE

2024-2025

EURECOM University, FR

2025-2026

### Bachelor of Computer Science

#### Babes-Bolyai University, RO

2021-2024

## Skills

GNU/Linux

C/C++, C#, Java, Python & SQL

HTML, CSS & JavaScript

Node.js, Angular & React

Android Studio & Flutter

Docker

ROS2, GAML, RARS

Teamwork & Communication

Flexibility & Adaptability

Problem Solving & Creativity

**Hobbies:** Football, Snowboarding,

Bouldering, Rowing, Programming

**Languages:** Romanian (native), English

(C2), French (currently taking classes, ~B1)