Personal Information

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Professional summary

The trajectory which I want to take moving onwards professionally is one which will allow me to further enhance my overall scientific and practical knowledge, whilst enabling me to continue widening my perception of the fields I am passionate about, those primarily being the sciences, both humanities and natural sciences. I would also want to continue fostering and nurturing my overall keen curiosity in the aforementioned fields, by pursuing further self-studying, investigative work, and constructing projects which are both meaningful and educational. Moreover, I want to continue onwards with my ambition of perfecting the mastery of the UNIX based environments, which thus far enables me to be more than proficient with the text-based environments, being inclined to rarely leave the terminal, and to solely employ the use of the keyboard, as oppose to a trackpad or mouse. In addition to all of this, I would want to, from an education perspective, continue onwards with my study in the field of artificial intelligence, applied in the fields of robotics and, more specifically, the space industry.

As a final thought, one of my other ambitions moving onwards is to enhance my foreign languages, and thus acquired a higher proficiency of French and German moving onwards.

Languages

English: Fluent C2 level (raised bilingual), certified by Cambridge
French: C1 Level, certified by DELF
Romanian: Native
German: A1, basic comprehension
Russian: A1, basic comprehension and conversation skills

Education

2016-2020	**Theoretical High School "Grigore Moisil" Timisoara**	**Romania**
	Major in Maths and Computer Science (Baccalaureate EQF level 5)	
2020-2024	**Université Paris Cité**	**France**
	Bachelors' Degree with a major in Computer Science (EQF level 6)	

Skills

Theoretical concepts:

Algorithmic and algorithmic thinking, Automata Theory, Linear Algebra, Compilation, Lambda Calculus, Calculus, Arithmetic, Probability Theory, Logic, First-Order Logic, Systems Programming, Program proving.

Programming languages:

C, C++, Zig, Rust, TypeScript, JavaScript, Python, Lua, OCaml, PHP, C#, GDScript, Shell script, Java, Scala, Go, LISP, Clojure, Swift.

Frameworks:

Django, React, TailwindCSS, Bootstrap, Node.js, JavaFX, Love2D, GTK, ncurses, libGDX, PyGame, pandas, NumPy, SwiftUI.

Tools:

Vim, NVim, Git, GitHub, GitLab, Trello, Figma, JetBrains IDE suite, VSCode, various GNU Unix tools such as grep, curl, sed, etc.; Xcode, Bison, Flex.

Others

HTML5, CSS3, JSON, YAML, XML, Scrum, Agile, Extreme programming, TDD, UNIX, MacOS, Linux.

Achievements

Scientific achievements

2023-present	Acquired various MOOC certificates in computer science and mathematics
2022 Summer School at SciencesPo	Studied French humanities and the French language at the prestigious SciencesPo in Paris during the summer.
2021 Pharo MOOC certificate	Acquired a certificate for the Pharo SmallTalk dialect from INRIA(https://www.inria.fr/en)
	and FUN(https://www.fun-mooc.fr/fr/)
November 2019	Gala of Space Science and Technology Education – Diploma of Excellence HarRover – Exo-Ro and FlyingBots- CanSat
	An event organised by the Esero, BanatIt, Lasting Software and the West University of Timisoara, whose scope was to award the teams who were involved in the scientific contests proposed by ESA's educational program, and overseen in Romania by the Romanian branch of the European Space Agency, ROSA and their educational counterpart ESERO (http://www.esero.ro). Those events being CanSat (https://www.esa.int/Education/CanSat) and Exo-Ro (http://www2.rosa.ro/index.php/en/educatie/competitia-exo-ro).
May 2019	'NoiInfo' Contest, County Heat – 1st prize with a robotics project
	The contest serves as preliminary round, and offers thus the possibility to participate to 'InfoEducatie'(https://infoeducatie.ro/about-english) contest, a chance which although earned, was passed due to some unforeseen events. The first prize was won with a robotics project, featuring a space probe, named Astro.
April 2019	'CanSat' National Contest in Robotics – 2nd place per Romania
	2nd place earned in the national CanSat contest organised by ESA and Rosa, a contest, in which thru stoic cooperation and smart ways of

management we had developed a satellite in a can, programmed in Python, using Pycom board's in the process, so as to achieve our scientific goals with the can, which endured a simulation of a landing, aided by an helicopter. Our team receive, aside from the second place, the Best Professional Team' Prize by ESERO (European Space Education Resource Office).

December 2018

Exo-Ro, a National(Romanian only) contest organised by ESERO and ROSA – participation

Took part in the contest alongside a team of five, in which we created a modular and robust rover whose mission was to explore foreign alien territory. The contest required aside from team-work and lots of drive to finish things on time, such as the project but also the documentation; physics, 3D-design and subsequently 3D printing, robotics expertise and chops in coding, especially Python. My job in the whole affair was to coordinate the team, present the device and code the Raspberries we used.

March 2018

ICT Olympiad – Mention Prize at the County Heat.

The ICT Olympiad tests students skills with tools such as Word, Excel, PowerPoint but also vanilla HTML, CSS and JavaScript.

June 2017

Cyber Security, capture-the-flag based contest by BanatIT – Mention Prize

This was my first contact with the world of cybersecurity, it was during this event that I gained a lot on insight in the field and thus my drive to pursue the field of computer science only got more pronounced that before. As part of the contest I also attended a couple of crash-courses on cryptography and different types of web attacks.

Public relations and language based achievements:

March 2018   National Public Speaking Competition in English – Qualified for the national phase

February 2018   Regional Public Speaking Competition in English – 3rd Place/Region

February 2018   County Public Speaking Competition in English – 2nd Place/ County

Work Experience/Internships

February 2024 - Present

Freelancing - working on creating various web applications for small businesses and NGOs, and aiding them with acquiring a `business-facing` presence for their respective initiatives. In order to accomplish this task I am mostly using some basic Web Development stacks, one being based on Node.js and TypeScript, the other being centred on Django.

January 2020

I was selected to be part of the team that started working on upgrading our high school page by the educational board of my county, this post was assigned to me based on my CV, and the position involved Front-End development, using HTML5, CSS3, JavaScript and Bootstrap; the project never came to fruition due to lack of funds.

June 2017 – December 2019

Mentor at CoderDojo – programming skills for the youth. Mentor in C++, Python and Web Development to 7 to 18 years old course takers.

June – August 2017

Freelance in Web development on www.freelancer.com

Volunteering

April 2024 - September 2024.	Volunteer at the Olympic and Paralympic Games Paris 2024; my mission in the upcoming olympics will be to chaperone athletes and ensure that the anti-doping campaign works smoothly.
November 2019	Nokia Romania – European Researcher's Night –http:/www.noapteacercetatorilor.eu Project presenter at the stand for the CanSat Robotics project
September 2019	Romanian Science Festival – www.romaniansciencefestival.ro Volunteer in the Physics Department.
May 2019	European Museums Night held at Nokia Timisoara. Stand presenter for the CanSat Robotics project.
May – June 2018	International Capture-the-Flag Cyber Security Contest by BanatIT Volunteer in organising – www.banatit.ro

Other skills and competencies

Additional Digital Competencies

- Microsoft Package, Photoshop, Lightroom, Blender, LibreOffice, Apple's office suite.

Personal Skills

- Self-motivation, prioritising tasks, become a better-self than the other day by avoiding distractions as they kill initiative
- Public speaking skills – I did very good at the Public Speaking National Competition in English
- Oratory skills
- Social and interpersonal skills, flexible in dealing with people from all walks of life
- Team spirit, decision-making ability and self-confidence: I was a volunteer in many scientific festivals and contests
- Creativity via consistent reading and multidisciplinary approach in multiple fields, including science, computer science, philosophy, history, art and music, classical and motivational books
- Attention to the surrounding world
- Open to the new and to challenges
- Innovative thinking – affinity for the new and for a different kind of thinking and implementation of existing concepts
- Music - I play various instruments, including the guitar and piano
- Sports - I enjoy a healthy and active lifestyle, and I practice various sports, such as running and bodybuilding.
- Trekking and mountain climbing - I enjoy reconnecting with nature in my spare time, and appreciating our world and its charm