

## Personal Information

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Name: Andrei-Paul Ionescu  
Birth Date: 11.06.2001  
Nationality: Romanian

## Languages and their proficiency:

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English: Fluent C1 level (raised bilingual), certified by Cambridge( working on obtaining a C2 certificate in the near future)

French: B2 Level, certified by DELF( planning to obtain a C1 diploma next year)

Romanian: Native

## Education

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<b>2016-2020</b>	<b>Theoretical High School “Grigore Moisil” Timisoara</b> Major in Computer Science (Baccalaureate EQF level 5)	<b>Romania</b>
<b>2020-2023</b>	<b>University of Paris</b> Studying so as to obtain a bachelor’s degree with a Major in Computer Science (EQF level 6)	<b>France</b>

## Achievements

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### Scientific achievements

<b>November 2019</b>	<p>Gala of Space Science and Technology Education – Diploma of Excellence Har Rover – Exo-Ro and FlyingBots- CanSat</p> <p>An event organized 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(<a href="http://www.esero.ro">http://www.esero.ro</a>). Those events being CanSat(<a href="https://www.esa.int/Education/CanSat">https://www.esa.int/Education/CanSat</a>) and Exo-Ro(<a href="http://www2.rosa.ro/index.php/en/educatie/competitia-exo-ro">http://www2.rosa.ro/index.php/en/educatie/competitia-exo-ro</a>).</p>
<b>May 2019</b>	<p>‘NoiInfo’ Contest, County Heat – 1<sup>st</sup> prize with a robotics project</p> <p>The contest serves as preliminary round, and offers thus the possibility to participate to ‘InfoEducatie’(<a href="https://infoeducatie.ro/about-english">https://infoeducatie.ro/about-english</a>) contest, a chance which a although earned, was passed due to some unforeseen events. The first prize was won with a robotics project, featuring a space probe, named Astro.</p>
<b>April 2019</b>	<p>‘CanSat’ National Contest in Robotics – 2<sup>nd</sup> place per Romania</p> <p>2<sup>nd</sup> place earned in the national CanSat contest organized 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</p>

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 organized 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 – 3<sup>rd</sup> Place/Region

#### **February 2018**

County Public Speaking Competition in English – 2<sup>nd</sup> Place/ County

## **Work Experience/Internships**

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#### **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](http://www.freelancer.com)

## Volunteering

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<b>November 2019</b>	Nokia Romania – European Researcher’s Night – <a href="http://www.noapteacercetatorilor.eu">www.noapteacercetatorilor.eu</a> Project presenter at the stand for the CanSat Robotics project
<b>September 2019</b>	Romanian Science Festival – <a href="http://www.romaniansciencefestival.ro">www.romaniansciencefestival.ro</a>  Volunteer in the Physics Department.
<b>May 2019</b>	European Museums Night held at Nokia Timisoara.  Stand presenter for the CanSat Robotics project.
<b>May – June 2018</b>	International Capture-the-Flag Cyber Security Contest by BanatIT Volunteer in organizing – <a href="http://www.banatit.ro">www.banatit.ro</a>

## Other skills and competencies

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### Additional Digital Competencies

- Microsoft Package, Photoshop, Lightroom, Blender.

### Personal Skills

- Self-motivation, prioritizing 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

