ALEXANDRU NECHITA
Computer Science and Engineering Student @ PoLiMi

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Brief Introduction

Dedicated to make code run fast. I love optimizing code and writing in performance-focused languages (at the moment interested in Rust). I'm a back-end developer which focuses mainly in safety and performance, making use of algorithms when necessary. I love to experiment mixing different technologies together and hoping it doesn't explode.

Education

Politecnico di Milano   *Milan, IT*
Computer Science and Engineering   *Sept 2022 - Current*

I.I.S. Luigi Di Savoia   *Chieti, IT*
High School   *Sept 2017 - June 2022*
• 100/100 cum laude

Experience

Olicyber   *Turin, IT*
National Finalist (Bronze Medal)   *28 May 2022*
• National Competition in CyberSecurity (Jeopardy)
• **Technical Skills:** Python, C++, Reverse Engineering (Ghidra, pwntools), Assembly, Memory Architecture, Web Exploitation (SQLi, CSRF, XSS, etc.), Cryptography Exploitation

CyberChallenge.it   *Online*
National Finalist   *28 May 2022*
• National Competition in CyberSecurity (Attack/Defense)
• **Technical Skills:** Python, C++, Analyzing Traffic (caronte + tshark + Wireshark), Payload Submitter, Reverse proxy, Docker Compose, VPN, Web Exploitation (SQLi, CSRF, XSS, etc.)

Olicyber   *Online*
National Finalist   *12 June 2022*
• National Team-Based Competition in CyberSecurity (Jeopardy)
• **Technical Skills:** Python, C++, Memory Architecture, Web Exploitation (SQLi, CSRF, XSS, etc.), Cryptography Exploitation

Olimpiadi Di Robotica   *Online*
National Finalist (2nd Place) Category Water   *9 June 2021*
• National Team-Based Competition in Robotics
• **Technical Skills:** Python, Arduino, Raspberry Pi, Lego Mindstorm, I2C and UART

Personal Projects

Cross-Platform Music Player   *In progress*
• Native Cross-Platform Music Playing Library written in Rust focused on performance and high quality
• Cross-Platform Front-End written in Flutter calling the compiled rust native library

Skills

Programming	Rust, C/C++, Dart (Flutter), Python, JavaScript, PHP, Java, SQL
Networking and Cloud	Hypervisor (Proxmox), Docker, Traefik, Cloudflare DNS, OPNsense
Miscellaneous	Linux, Shell (Bash/Zsh), Git, Vim
Soft Skills	Curiosity, Dedication, Teamwork, Problem-solving, Documentation, Effective Communication

Languages

English	Professional proficiency
Italian	Native proficiency
Romanian	Native proficiency