Andrei **Petrea**
Student

Contact

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in Petrea Andrei

🐙 ReGeLePuMa

About me

An innovative, hard-working and goal-oriented computer science student, dreaming about operating systems, fluent in English, flexible in any work environment, with excellent teamwork and interpersonal capabilities, with a comprehensive portfolio of projects, being adept in both high-level applications and low-level software and a desire to further challenge themselves

Areas of specialization

Linux · C Programming · Python · OOP

Interests

Artificial Intelligence
CyberSecurity
Machine Learning

Languages

Romanian		native language
English	C2	● ● ● ● ●

EDUCATION

2021–present	**Bachelor of Science in Computer Science**
	· University Politehnica Bucharest 📍
	Undergraduate sophomore student currently progressing towards a BSc in Computer Science at the Faculty of Automatic Control and Computer Science
	Relevant Coursework: *Operating System Utilisation, Operating Systems, Data Structures and Algorithms, Object Oriented Programming, Algorithm Design and Analysis, Programming Paradigms*

PROJECTS

2023	**Digit Reader**
	PYTHON, JAVASCRIPT, HTML/CSS · 📍
	· Digit recogniser using **Machine Learning**
	· Users are able to send photos using a web interface written in vanilla **JavaScript** and see their previous photos in a slideshow
	· Written as a collaborative effort in a **team** of four
2023	**School Catalogue**
	JAVA · 📍
	· School catalogue written in Java
	· Features a GUI utilizing the **Swing** library comprising of 4 pages, being able to be dynamically updated
2022	**HackITall: Experiential shopping**
	PYTHON, THREE.JS · 📍
	· 3-man Hackathon project for an online retail shop.
	· Features a **fully-rendered 3D shop** with various custom-made articles of clothing
	· An **artificial intelligence** algorithm scans for products which are more likely for the consumer to purchase after looking at certain items
2022	**Terminal Browser**
	C, NCURSES · 📍
	· Browser-like terminal application written in the C programming language.
	· Utilises an **HTML-parser** to display in an **NCurses** window a site in accordance with its CSS-style
	· Provides a **checksum** security feature to detect malicious sites

CERTIFICATES

Autumn 2022-2023	**Web Programming 101**
	CERTIFIED · hackademy 🏛
Spring 2022	**Python Programming 101**
	CERTIFIED · hackademy 🏛
Autumn 2021-2022	**CCNA: Introduction to Networks**
	CERTIFIED · hackademy 🏛

COMPUTER SKILLS

C/C++	Intermediate
Java	Intermediate
Python	Intermediate
JavaScript	Beginner
Git	Beginner