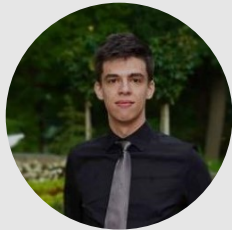


Andrei Petrea

Student



Contact



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Andrei Petrea



ReGeLePuMa

About me

A creative, diligent, and ambitious computer science student with a deep passion for AI and cybersecurity. Proficient in English and adaptable to any work setting, possessing outstanding teamwork skills and interpersonal abilities, with an extensive portfolio of projects, demonstrating proficiency in both high-level applications and low-level software. Always eager to push my boundaries and take on new challenges.

Interests

Computer Architecture
CyberSecurity
Machine Learning
Data Science

Languages

English | C2 ● ● ● ● ●

EDUCATION

2021 - 2025

Bachelor of Science in Computer Science

· University Politehnica Bucharest 📍

Undergraduate student currently progressing towards a Bachelor's Degree in Computer Science at the Faculty of Automatic Control and Computer Science

Relevant Coursework: *Operating Systems, Data Structures and Algorithms, Object Oriented Programming, Algorithm Design and Analysis, Programming Paradigms*

PROJECTS

July 2023

Personal Website

REACTJS, EMAILJS, TAILWINDCSS ⚙️

- Fully responsive personal website for a medical student containing a **Hero** section and animated **carousel**
- One-page design with *infinite scroll* and *smooth transitions* to sections
- Utilises EmailJS API to **send emails** from website to personal inbox

April 2023

Online Chess

REACTJS, EXPRESSJS, SOCKETIO, HARPERDB ⚙️

- Online room-based chess app offering the opportunity to play against both *AI bots* and other *human players*
- Featuring **real-time chatting** and the ability to *pause* and *resume* games
- Collaboratively created with two colleagues, the project is designed for seamless deployment using **Docker**

January 2023

School Management Software

JAVA, SWINGGUI ⚙️

- School Management Software for marking, updating and reviewing student grades
- Implements a suite of **design patterns** including *Singleton, Factory, Strategy, Builder, Observer, Visitor and Memento*
- Features a GUI utilizing the **Swing** library comprising of 4 pages: *Login, Student, Teacher* and *Parent*, being able to be dynamically updated

December 2022

HackITall: Experiential shopping

PYTHON, THREE.JS ⚙️

- 3-man Hackathon project for an online next-generation retail shop
- Features a **fully-rendered 3D shop** in Blender with various custom-made articles of clothing
- An **artificial intelligence** recommends products with *76% accuracy* which the customer is more likely to purchase after spending time in the store

CERTIFICATES

Autumn 2022-2023

Web Programming 101

CERTIFIED · hackademy 🏆

Spring 2021-2022

Python Programming 101

CERTIFIED · hackademy 🏆

Autumn 2021-2022

CCNA: Introduction to Networks

CERTIFIED · hackademy 🏆

COMPUTER SKILLS

Programming languages

- **MEDIUM KNOWLEDGE:** C, C++, JAVA, JAVASCRIPT, HTML, CSS
- **BASIC KNOWLEDGE:** C#, HASKELL, LISP, PYTHON, TYPESCRIPT

Technologies/Tools

- LINUX, GIT, REACTJS, DOCKER, TAILWINDCSS, NODEJS