

Tălpigă Andrei-Vlad

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🐙 GitHub



Profile

Throughout high school I became passionate about coding, problem solving and web development. Therefore, I am currently in my second year of studying computer science at the Faculty of Mathematics and Informatics, University of Bucharest. I am interested in developing new projects and learning different skills from various fields.

Education

Faculty of Mathematics and Informatics, University of Bucharest
Computer Science

Oct 2021 – Present
Bucharest, Romania

"Tudor Vianu" National College of Computer Science
Mathematics and Computer Science

Sep 2017 – Jun 2021
Bucharest, Romania

Projects

Booking Platform - OOP in Java

Using Java, I implemented a booking platform for renting cars and houses, from where you can perform multiple actions like: adding or removing a car from the dealership, renting a car or a house, displaying all owners and their properties. In addition, each client has a bank balance which cannot be exceeded.

Contracts Record - OOP in C++

I implemented a console menu, from where you can add and access contracts from a record and see their total value, calculated automatically.

Electric Vehicles Website - Web Development

I created a website, using HTML, CSS and Javascript, which displays a shop selling electric vehicles, including a contact, a product and a home page, where you can add a review on any item.

Courier Company Database - Oracle PL/SQL

I created a database which manages a courier company and the whole process of a product from the factory to the client. Using PL/SQL, I solved different problems that could happen in a company.

Sports Club Database - Oracle SQL

I built a database in SQL, which manages a billiards club and provides useful information about the players, coaches, administrators and many more.

Data structures and algorithms

Firstly, I made an in-depth analysis, comparing the speed of multiple sorting algorithms in C++. Then, I have done a lot of problem-solving (in C++ and Python), using various data structures and graph algorithms.

Medical Office - C Linux

Using C, I implemented a program that simulates the activity in a medical office: A given number of patient threads will be created that will wait for the release of resources representing doctors.



Awards

Cloudflight Coding Contest - 37th edition

31 Mar 2023

Finished in the first 6% (Rank 79 out of 1294)

Mention (105 pts) - Computer Science, MateInfoUB Contest

29 May 2021

Faculty of Mathematics and Computer Science, University of Bucharest

Mention (128 pts) - Mathematics, MateInfoUB Contest

30 May 2021

Faculty of Mathematics and Computer Science, University of Bucharest



Certificates

ECDL Certificate

Completed modules: Computer Essentials, Spreadsheets, Word Processing, Presentation, Using Databases, Online Essentials



Languages

English

First Certificate in English (FCE) - Level C1

German

German Certificate (Goethe-Zertifikat) - Level A2



Skills

- C++/C
- Python
- PL/SQL
- SQL
- HTML
- CSS
- Assembly x86