CURRICULUM VITAE

Personal information

Last Name	Șofei
First Name	Andrei-Adrian
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Birth date	16.04.2002

Work Experience

2021-12 – Present   **Backend Developer Intern**

   HCL Technologies

   Built back-end of APIs using Java and SpringBoot with Microservices in an Agile Development Environment.

Education

University of Bucharest, *Faculty of Mathematics and Informatics*

Expected graduation in 2023

Informatics Department: Bachelor's degree, 2nd year

Undergraduate Coursework: Data Structures, Object Oriented Programming, Algorithms Design, Data Bases, Fundamental Algorithms, Functional Programming(Haskell Language), Operating Systems

Tudor Vladimirescu National College

Period: 2016-2020

Class Master: Eugen Nodea

Profile: Mathematics and Informatics

Computer skills

Programming Languages

Good knowledge: Python, C++, Java, SQL

Medium knowledge: HTML, Haskell, ASP.NET, C#, SpringBoot, C, PL/SQL

Basic knowledge: JavaScript, Angular, MIPS

Basic knowledge of Linux operating system.

Good knowledge of Git

Projects

.NET + Angular WEB API:

The project is a Web API built in .NET for the back-end, Angular for the front-end and Microsoft SQL Server Management Studio for the database.

This project was completed with my teammate Mirea Oana-Gabriela.

https://github.com/SofeiAndrei/APIAngularNET

Differences Between Sorting Algorithms:

The project is a C++ program that implements bubble sort, counting sort, quick sort, merge sort and radix sort for a given number of numbers and a size for the same numbers and also for different types of series of numbers (random series, sorted series and others).

https://github.com/SofeiAndrei/Proiect_SD_1

AVL Tree:

The project is a C++ program that implements an AVL Tree

https://github.com/SofeiAndrei/Proiect_SD_2

SQL Database with PL/SQL:

This is a SQL Database with some sample PL/SQL queries

https://github.com/SofeiAndrei/PL-SQL-Project
SQL Database:

This is a SQL Database with some sample SQL queries

https://github.com/SofeiAndrei/SQL-Project

PSTREE Linux command custom alternative:

This is a pstree alternative C program I coded with my teammate Mirea Oana-Gabriela

https://github.com/SofeiAndrei/pstreeAlternative
OOP Project Shapes:

This is a C++ OOP that can receive information to create a shape and can calculate its area based on the inputs. The program can also calculate the volume of a body of a given height with that shape as its base. The shapes the program can work with are: Square Rectangle Rhombus Parallelogram Trapeze.

https://github.com/SofeiAndrei/OOP-Project2
OOP Project Arrays:

This is a C++ OOP that receives array of arrays and can return: The sum of every element for a certain array The maximum value for a certain array The program can also create vectors with certain values in each array The program can move the values of one array to another array The program can make changes to any of the arrays.

https://github.com/SofeiAndrei/OOP-Project1

Competitions

March 2020:

OJI Gorj Regional Informatics Olympiad 2020

November 2019:

Catalysts 32nd School Coding Contest 2019 - global rank – 25th

Participated as part of a team and solved the specified tasks

Programming Language: C++

March 2018:

OJI Gorj Regional Informatics Olympiad 2018

March 2017:

OJI Gorj Regional Informatics Olympiad 2017

Languages

Romanian	**Native**
English	**Level C1** – Cambridge English: First Cambridge Exam (FCE) qualification
French	**Beginner**

Interests

Software Development, Data Bases, Algorithmics, Technology