

OANA-GABRIELA MIREA

Date of birth: 10/07/2001 | Nationality: Romanian | Gender: Female | Phone number: (+40) 766499884

Adress: Jud. Gorj, Sat Vlădueni, Com.Bălteni, Nr. 390

Email: mireaoana555@gmail.com | oana.mirea@s.unibuc.ro

Linkedin: <https://www.linkedin.com/in/oana-gabriela-mirea-2bb562232>

Github: <https://github.com/onumirea>

EDUCATION

2020 – PRESENT (EXPECTED GRADUATION IN 2023)

UNIVERSITY OF BUCHAREST, FACULTY OF MATHEMATICS AND INFORMATICS

DEPARTMENT: INFORMATICS, BACHELOR'S DEGREE, 2nd YEAR

UNDERGRADUATE COURSEWORK: DATA STRUCTURES AND ALGORITHMS, FUNDAMENTAL ALGORITHMS, DATABASES, OBJECT ORIENTED PROGRAMMING, OPERATING SYSTEMS, WEB DEVELOPMENT, FUNCTIONAL PROGRAMMING IN HASKELL

2015-2019

ECATERINA TEODOROIU NATIONAL COLLEGE

DEPARTMENT: MATHEMATICS AND INFORMATICS

COMPUTER SKILLS

- **GOOD KNOWLEDGE:** PYTHON, C++, SQL
- **MEDIUM KNOWLEDGE:** PL/SQL, HASKELL, ASP.NET, C, C#
- **BASIC KNOWLEDGE:** MIPS, ANGULAR, JAVASCRIPT, LINUX OPERATING SYSTEM

PROJECTS

- **WEB API IN .NET AND ANGULAR**

This team project is a Web API, where the back-end was built in .NET, and the front-end was built in Angular. The API was designed to be a cooking forum, where recipes, reviews, ingredients and stores can be posted, with roles, login and register implementation. It also has a database, that was managed with Microsoft SQL Server Management Studio.

The following github link contains the source files for the project:

<https://github.com/onumirea/ASP.NET-API>

The complete project can be found on this Drive link:

<https://drive.google.com/file/d/1GftncQbMXvuacvSWedoUFnGdWU274Hws/view?usp=sharing>

- **DATABASE PROJECT**

This project represents a database for an arts school, in SQL and PL/SQL, with an E/R diagram and conceptual diagram, creation of tables and inserts, and PL/SQL queries.

<https://github.com/onumirea/Database-project>

- **RED BLACK TREE IMPLEMENTATION**

This project represents the implementation of a red black tree in a C++ program.

<https://github.com/onumirea/RedBlackTree>

- **IMPLEMENTATION OF SORTING ALGORITHMS**

This project is a C++ program that implements Bubble sort, Counting sort, Radix sort, Merge sort and Quick sort and compares them for different numbers of inputs and different sizes for the given numbers, also for different types of series(sorted series, ascending and descending, constant series etc.)

https://github.com/onumirea/Proiect_SD

- **LINUX PROCESS INFORMATIONS**

This project is a C program that gets informations about a process and all of its descendants in a DFS order, and shows them in a form similar to what the pstree command does.

The informations for every process are: the process id, the process name, the process state, and the %cpu it uses.

<https://github.com/onumirea/OSproject>

- **OOP PROJECT**

This project is a C++ program that uses OOP concepts for calculating a bonus for employees, depending on their hire date, if they work part time or full time, the number of children they have, etc.

<https://github.com/onumirea/OOPproject>

LANGUAGE SKILLS

ROMANIAN – NATIVE LANGUAGE

ENGLISH – FLUENT

FRENCH – BEGINNER

INTERESTS

SOFTWARE DEVELOPMENT, WEB DEVELOPMENT, DATABASES, GRAPHIC DESIGN