



ANCA-MARIA GIURGIU

Creative and logical. I have taken a million personality and career tests and all of them had the same result: I am equally creative and logical. This is why I have never quite found my place... That is until I discovered computer science. I can be both perfectionist and free-spirited; hard-working and spontaneous; think analytically while seeing the beauty in the world. I can be myself!

CERTIFICATES

- Computer Science Certificate for 12th grade
- May 2021 Cisco Certificate, April 2017

VOLUNTEERING

- Jazz in the Park festival
- the Christmas Fair
- Cluj Never Sleeps festival
- Light Festival

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📍 Cluj-Napoca, Cluj

📄 <https://github.com/giurgiuanca20/My-Projects.git>

Dedicated, organized and hard-working student, I have good interpersonal skills. I am an excellent team worker and I am keen and very willing to learn and develop new skills. I am determined and decisive. Therefore, ambitious and thinking analytically, I identify and develop a lot of opportunities.

RELATED EXTRACURRICULARS

ROBOTICS TEAM (First Tech Challenge)

Role: leader of the nontechnical department: writing of the technical notebook, marketing, advertising, photography and building the team's identity co-leader of the team

Character traits: leadership, teamwork, multitasking, communication, innovation, curiosity

Skills: photography, graphic design, public speaking

Technical skills: OOP, Creo 3D design

Awards: MOTIVATE AWARD 1st place (2020),

FINALIST ALLIANCE AWARD (2019), CONTROL AWARD 2nd place (2019)

ADDITIONAL COURSES: 3D design, building and programming - robot driving

EDUCATION

Nicolae Balcescu Theoretical High School, Cluj-Napoca
Mathematics-Informatics,
intensive Informatics

UTCN
Computer Science in English

C and C++



C# and Java



Data base



OOP



HTML, CSS & JavaScript



Graphic Processing



PROJECTS

POLYNOMIAL CALCULATOR

This project is a polynomial calculator allowing users to perform addition, subtraction, multiplication, division, differentiation, and integration operations on polynomials. It utilizes Swing components for the user interface, with a Controller class managing user interactions and delegating computations to an Operations class, which handles polynomial operations and maintains polynomial representations. The GUI offers input fields for two polynomials and buttons for each operation, displaying the results dynamically. Overall, the application simplifies polynomial manipulation through a user-friendly interface.

QUEUE MANAGER

The code simulates a queuing system, allowing users to input parameters such as time limit, service and arrival times, and queue configurations. It utilizes multiple classes including SimulationManager to manage the simulation process, Scheduler to handle queue scheduling strategies, and QueueClass to represent individual queues. The simulation tracks client arrivals, waiting times, and service durations, producing output statistics such as average waiting time and peak hour, which are written to a file using the FileWriting class.

HOROSCOPE-OOP

The project is a Java application implementing a graphical user interface (GUI) for interacting with a database. Users can view and manipulate data stored in the database through the provided interface. The application follows the Model-View-Controller (MVC) design pattern, with separate classes for the GUI (View), business logic (Controller), and database interaction (Connect). The View class defines the layout and functionality of the GUI components, while the Controller class handles user input and delegates actions to the appropriate components. The Connect class manages the database connection and operations, ensuring seamless interaction between the application and the database.

PROJ-CALENDAR

The project is a dynamic web application developed using Spring Boot. It focuses on a Calendar(To Do List) application designed to aid users in managing tasks and schedules. The application employs a layered architecture, including Controllers for handling HTTP requests, Services for business logic, and Repositories for data access. Additionally, it describes various HTML documents and their functionalities, such as user registration, login, task creation, and calendar views, along with their corresponding JavaScript interactions for dynamic user experiences. Overall, it emphasizes modularity, testability, and user-friendly design principles.