

# Dan Narcis Costinel

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## VOLUNTEERING

### ALGORITHM DESIGN LABORATORY | PRESENT

- My goal is to assist students in solving their lab exercises and support them in understanding the taught concepts.

## PROJECTS

### THE MAZE | GAME WITH INTERFACE

- Language: JAVA
- Custom interfaces are implemented for menu options.
- Each player's account information is stored locally, and the objective is to find the exit of a maze as quickly as possible.

### ROCK THE SHOP | UNIVERSITY PROJECT - OBJECT-ORIENTED PROGRAMMING

- Language: C++
- Application for managing a real store (employees, products, order processing, activity-based reports).
- The application operates via a terminal, and options are selected through keyboard input.

### LAN PARTY | UNIVERSITY PROJECT - ALGORITHM DESIGN

- Language: C
- The goal is to develop a software solution (an executable program) to automate this process.

### SUBWAY | SHORTEST ROUTE FINDER

- Language: C
- To optimize travel time between two points, the shortest route must be determined.
- A file containing all information about stations and bus connections (e.g., Bucharest) is used to store the map.

## COMPETITIONS

### ZEBRAHACK | FRONT-END HACKATHON

- Languages: HTML, CSS, JavaScript
- Participated in a team and developed a web application to automate a simple purchasing process.

### HACKITALL | GAMES HACKATHON

- Languages: Unity, C#
- Created a time-travel-based puzzle game in Unity, where players complete narrative-driven tasks influenced by past and future events

## EDUCATION

### MY UNIVERSITY

UNIVERSITY POLITEHNICA OF  
BUCHAREST, FACULTY OF  
AUTOMATIC CONTROL AND  
COMPUTERS  
Systems Engineering | Year 2  
Oct 2023 | Present

## COURSES

### CERTIFICATIONS

MATLAB Onramp  
MATLAB Coding Practices for Efficiency  
and Performance  
Solving Nonlinear Equations with  
MATLAB  
Introduction to Linear Algebra with  
MATLAB  
CERTIPORT Certificate  
Digital Skills

## SKILLS

### PROGRAMMING

3+ years:  
C/C++ • MySQL  
1+ years:  
HTML • CSS • MATLAB • LaTeX  
0+ years:  
JavaScript • JAVA • C#

### TECHNOLOGY

Git/Github • Microsoft Office  
Windows • Linux • Unity

### SOFT SKILLS

Teamwork • Critical Thinking  
Time Management • Adaptability  
Creativity

### LANGUAGES

Romanian • English • French