CĂTĂLIN MUŞAT

Bucharest, Romania

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EDUCATION

University "Politehnica" of Bucharest, Faculty of Automatic Control and Computer Science
Expected graduation date — July 2020

- **Computer Science and Engineering Department**: currently in fourth year.

- **Undergraduate Coursework**: Data Structures, Object Oriented Programming, Numerical Methods, Probability Theory, Algorithm Design, Parallel and Distributed Programming, Computer Graphics, Local Networking, Artificial Intelligence, Operating Systems, Graphical Design Systems.

EXPERIENCE

Projects
- **RPG Game:** A simple browser-like, turn-based RPG game written in Java with 4 playable heroes, each having 2 spells usable against the other.
- **Parallel Image Filtering:** The purpose of this project was to implement the operation of adding a filter over an image while implementing parallel programming using threading. The project was realized in C language and it used the pthread library to implement parallelism.
- **World of Guitars:** World of Guitars is an application implemented using Python and MySQL. Its graphical interface is implemented in Python 3.6 using the tkinter library and functionalities such as Search, adding an item to the shopping cart, buying everything from the shopping cart or removing an item from it were implemented using MySQL.
- **Penguin Run:** Penguin Run is an Unity 3D game. The game has a simplistic design, specifically to challenge players to persevere at achieving a higher score and stick to the game for a longer time. The purpose of the game is to avoid incoming obstacles for as long as possible, while those obstacles move faster and faster.

Extracurricular activities
- **2017 Textract Hackathon** participant

SKILLS

Programming languages
- **Advanced:** Java, C/C++, C#, Python
- **Medium:** Bash, PL/SQL, MySQL
- **Beginner:** Assembly, Haskell, Scheme

Languages
- **Romanian** native
- **English** Cambridge Certificate in Advanced English, issued by the British Council - **C1**

Soft Skills
- **Reliable** with excellent **time keeping** skills
- Ability to work in a **fast paced** environment, under pressure and problem solving

ACTIVITIES

LSAC Bucharest
- **Volunteer:** October 2016 - October 2017