

Cristian Negrea

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EDUCATION

West University of Timisoara, Timisoara, Romania
BSc (Hons) Computer Science

2021-Present

Relevant modules:

- Programming in C/C++, Python, Java
- Data Structures and Algorithms
- Software Engineering
- Oriented Programming
- Computer Networks
- Operating System
- Design Patterns
- Blockchain technology

Relevant Projects:

- **Nondeterministic Multiple Search Finite Automaton:** I developed a multiple search automation in Python. This computational model was developed to efficiently handle multiple pattern matching, showcasing a significant improvement in search algorithm efficiency. My approach involved minimizing state transitions and effectively managing nondeterminism.
- **Tic-tac-toe Game:** I created a Tic-tac-toe game in Python with an intelligent AI opponent capable of making strategic moves based on the game state. I used Python's standard GUI Tkinter.
- **College projects:** an interesting college project I worked on was a user-friendly and responsive web interface allowing students to easily access and take quizzes. We used .NET with C# to develop the backend of the application, ensuring robust and efficient server-side logic.

WORK EXPERIENCE

FORVIA HELLA

Software Developer

Timisoara, Romania

2023

Tool development and optimization:

- Conceptualized and developed two unique software tools
- Played a key role in the enhancement and optimization of two existing tools
- Defining the software design
- Software implementation and software quality assurance
- Integrating the feature into the complete software application

LINKS

GitHub: [negreacristian \(Negrea Cristian\) \(github.com\)](https://github.com/negreacristian)

LinkedIn: <https://www.linkedin.com/in/cristian-negrea>