Scarlat Marius

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EDUCATION

UNIVERSITY OF BUCHAREST
BSc in Computer Science
Oct 2022 - Jul 2025 (expected)
Bucharest, Romania

SKILLS

TECHNICAL SKILLS:
- C/C++ • Java • Python
- Go • Javascript • SQL
- OOP • SOLID • Agile
- HTTP • REST • Linux
- Git/Github • Design Patterns

SOFT SKILLS:
- Teamwork • Problem Solving
- Adaptability • Creativity

INTERESTS

- Networking
- AI/Machine Learning
- Competitive Programming
- Formula 1
- Music

LANGUAGES

- English (fluent)
- Romanian (native)

EXPERIENCE

NETROM SOFTWARE | SOFTWARE ENGINEER
Jun 2022 - Oct 2022 | Craiova, Romania
- Worked on a flower delivery application that was primarily used for planning routes, monitoring drivers, and displaying real-time reports for the back office users
- Contributed to the database synchronization service used for retrieving data from the old application and sending updated data back to the old application
- Developed several screens for monitoring drivers, creating promotions and margins for stores based on their turnover
- Contributed to the restructuring of the ZPL receipt printing service that was hard to extend and maintain

PROJECTS

WORDLE SOLVER | GITHUB
Dec 2022 | Bucharest, Romania
- Built a wordle solver using data science and information theory with some university colleagues.
- The purpose of the algorithm is to maximize the amount of information at each step and select the word with the highest entropy
- Implemented caching to avoid any future recomputations

COMPETITIVE PROGRAMMING PLATFORM | GITHUB
Jun 2021 | Craiova, Romania
- Built a competitive programming platform that allows users to safely execute code and get feedback based on the correctness of the submission.
- Implemented a complex remote code execution environment by integrating a command-line application that safely runs untrusted executables
- Implemented a complex panel for proposers to create problems in markdown format, create tests, and publish problems
- Implemented complex server-side data filtering for entities that are displayed on various screens

SORTING VISUALIZER | GITHUB, WEBSITE
May 2020 | Craiova, Romania
- Built an application for visualizing different sorting algorithms
- Implemented Merge Sort, Quick Sort, and Insertion Sort

CHESS GAME | GITHUB
Apr 2020 | Craiova, Romania
- Built a desktop 1 vs 1 chess game using Java and Swing
- Implemented a functionality that displays each legal move for the selected piece

AWARDS

2021	Bronze Medal at The National Olympiad in Informatics
2021	Participation in International Autumn Tournament
2020	3rd in Cloudflight Coding Contest, Craiova
2019	Mention at InfoOltenia