Robert-Iulian Coconu

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EDUCATION

University POLITEHNICA of Bucharest   Bucharest, Romania
Faculty of Automatic Control and Computer Science   *Aug. 2019 – May 2023*
- Relevant Courses:Object Oriented Programming, Computer Programming, Data Structures and Algorithms, Numerical Methods, Operating Systems Usage
- Cumulative **GPA: 3.83/4**

EXPERIENCE

Volunteer Teaching Assistant   Sep. 2020 – Feb. 2021
Computer Science College   *Bucharest, Romania*
Computer Programming Course
- Reviewing student's assignments in order to help them further develop their skills by pointing out bad practices and providing solutions when needed
- Helping first year students learn the basics of programming in C
- Acquired Teaching Skills, Communication Skills and Time-management Skills

PROJECTS

Plane Routes | *C*
- Implemented Dijkstra Algorithm in order to find the shortest path from an island to another
- Implemented Backtracking algorithm to achieve ideal plane distribution on multiple islands when they are not being used
- Solved all memory leak problems on a relatively large amount of data extracted from text files resulting in increased performance

Page Ranking for Text Files | *Java*
- Simulator of a page ranking system used by a search engine
- Obtained a method of ranking text files by analyzing word proximity and number of words matching the input
- Provided a GUI using Java Swing

ACTIVITIES

Temperature Controlled Fan - Arduino | *C++*
- The fan spins faster as the temperature rises so this setup has the capability to be implemented in other projects that need cooling.
- Added an LCD screen that displays the temperature of the room as well as the intensity at which the fan is spinning

TECHNICAL SKILLS

Experienced : **Java, C/C++, MATLAB**
Prior experience : **Python, JavaScript, HTML/CSS, Node.js**

LANGUAGE SKILLS

Romanian: Native
English: Advanced

SOFT SKILLS

Teaching Skills and Time Management Skills: Helping first year students understand programming concepts and adapting my schedule so that reviewing their assignments is possible
Teamwork : Worked alongside experienced programmers in hackathons and programming related projects