Duțu Alin Călin

Technology enthusiast

CONTACT

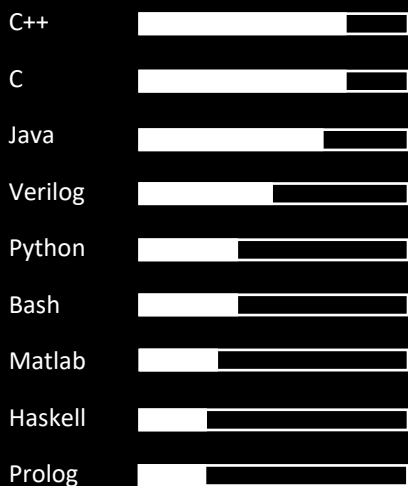📞 0727773116

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LANGUAGES

- C++
- C
- Java
- Verilog
- Python
- Bash
- Matlab
- Haskell
- Prolog

SKILLS

Git, Vivado, Vitis, Linux, Networking, Data Structures, Algorithms,

FOREIGN LANGUAGES

English (C1), French (beginner)

PROJECTS

Collaborative Calculation in Distributed Systems
- MPI distributed program. Processes are grouped in a topology with three clusters, each cluster having one coordinator which establishes communication with the workers and the other clusters.

Survival Maze Game
- C++ 3D game developed using OpenGL. The player must fight the enemies and find the right path to the finish point before the time runs out.

Document Processing
- Java parallel program that processes sets of text documents and evaluates them using the Map-Reduce model as the one used by Google for processing large documents in distributed systems.

Client-Server Application
- C application in which TCP clients can subscribe/unsubscribe to certain topics of a server. The server will receive topic updates from UDP clients and will redirect them to the subscribers.

Energy System simulator
- Java application which simulates a whole energy system which has clients, producers and distributors. The implementation contains design patterns such as Singleton, Observer, Factory and Strategy.

EXTRACURRICULAR ACTIVITIES

Unikraft Summer of Code 2021
- attended workshop about unikernels
- creating unikernels using Unikraft Development kit

Psicho-pedagogical module
- 📅 September 2019 - Present
- Attending pedagogical lessons
- Attending assisting classes
- Teaching students computer science in laboratory
- Expected graduation date: June 2022

EDUCATION

National College of Computer Science "Matei Basarab"
Mathematics and Informatics
📅 September 2015 - June 2019
Average grade: 9.53

University Politehnica of Bucharest
Bachelor in Computer Science and Engineering
📅 September 2019 – Present
📅 Expected graduation date: June 2023
Third year - first semester grade: 9,87 / 10