Victor Miguel de Morais Costa

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EDUCATION

UFPE - FEDERAL UNIVERSITY OF PERNAMBUCO

B.Sc. in Computer Engineering
Feb. 2018 - Dec. 2022 (expected)
Cum. GPA: 8.94/10.00

Relevant Coursework
- Algorithms and Data Structures
- Computer Architecture
- Operating Systems
- Hardware-Software Interface
- Computer Networks

LINKS

Github: /vmmc2
LinkedIn: /victor-miguel-de-morais-costa-3200b6175/

SKILLS

PROGRAMMING
Fluent:
C • C++ • Dart • Python • HTML
Familiar:
Haskell • Assembly x86 • CSS
Verilog • SystemVerilog

FRAMEWORKS
Flutter

TECHNOLOGIES
Android Studio

LANGUAGES
Portuguese (Native)
English (Fluent)
French (Beginner)

AWARDS
- 4th Place - Microsoft Hackathon "Bot-A-ndo" a mão na massa
- 14th Place (in Brazil) - Google Hashcode 2019

EXPERIENCE

ROBÔCIN | Undergraduate Researcher
Nov. 2019 – Present | Recife - PE, BR
- RobôCIn is a research group focused on robotics and also a team that participates in competitions of this same field.
- Currently working in the 2D Simulation division and focused on developing the strategy of the agents of our team for the next competitions.

PETLAB | Undergraduate Researcher
Aug. 2019 – Nov. 2019 | Recife - PE, BR
- PETLAB is a research program maintained by UFPE in partnership with 3 laboratories: Voxar Labs, LIKA and SPG. I worked as a developer and learned about computer vision, OpenCV and different applications of cellular automata.

UFPE | Vector and Linear Algebra Assistant Teacher
Aug. 2018 – Aug. 2019 | Recife - PE, BR
- Taught tutoring sessions for a class of 50 to 60 students. Also prepared lists of exercises, so the students could be more prepared for the exams of the class.

PROJECTS

VULCAN | A RISC-V Instruction Set Simulator
May. 2020 - Sep. 2020| Recife - PE, BR
- Vulcan is a development environment that unites an editor, an assembler and a simulator for programming in RISC-V Assembly language. It has support for several extensions of the RISC-V ISA. Also made a built-in debugger, so the users can easily find syntax errors in their code.
- Designed an intuitive and friendly user interface from scratch and realized it using Flutter.

CINGAMES | A project focused on integrating games and FPGA
Oct. 2019 - Dec. 2019| Recife - PE, BR
- CInGames is a project that contains 3 different games that can be played at the Altera DE2i-150 FPGA Board. Worked on the development of the Genius game and was also responsible to develop the device driver, so that these games could be played in the board.

GASOLINA: GREVE INFINITA | A multiplayer battle-royale game
May. 2018 - Jul.2018 | Recife - PE, BR
- Gasolina: Greve Infinita is an online game that can be played by at most 4 players in a local server. After the development, the game was tested by freshman students.
- Responsible for the game art and for the development of the mechanics of the game.

COMPETITIVE PROGRAMMING | A repository for Competitive Programming
Aug. 2018 - Present | Recife - PE, BR
- It's a project I made which contains solutions for several problems about algorithms and data structures from different online judges such as: UVa, Codeforces, SPOJ and more. It was made to help other students in order to solve these types of problems.