Milos **Despotovic**

SOFTWARE ENGINEER

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Education

Faculty of Mathematics(University of Belgrade)   *Belgrade, Serbia*
B.S. IN COMPUTER SCIENCE (DROPPED OUT)   *Sep. 2017 - Sep. 2021 (Dropped out)*

Engineering High School(Tehnicka skola "Jovan Zujovic")   *Gornji Milanovac, Serbia*
HIGH SCHOOL DIPLOMA IN COMPUTER HARDWARE   *Sep. 2013 - Jun. 2017*

Experience

Syrmia Way   *Nis, Serbia*
SOFTWARE ENGINEER   *Jun. 2022 - ongoing*

- First project (Jun. 2022 - Jan. 2023): Since being brought on, I was responsible for the subtitle engine on the media player that we were working on. My duties ranged from refactoring, test writing, implementing new features, extraction of the module... on both the parser and rendering part of the engine.
- Second project (Feb. 2023 - Mar. 2024): In charge of maintaining scripts that generate code needed for serialization of API calls inside VMs. So that they can be executed on the host machine with minor performance overheads.
- Third project (Mar. 2024 - ongoing): Responsible for maintaining and improving frameworks used for testing of latest drivers for graphical hardware. Used for AI applications such as preforming inference and model training. On both linux and windows sytems.

Skills

Technologies: C/C++(5/5), Python(4/5), Bash(3/5), Linux(3/5), Git(5/5)
Languages: Serbian(mother tongue), English(fluent)
Frameworks: Google Test, OpenCL, Mako templating...

Projects

- Worked with colleagues on a Raspberry Pi music server. That received and resolved commands from multiple users and outputted the desired music on the speakers attached to the device.
- Tested the probability of math problems using the law of large numbers.
- Algorithm that calculates twilight duration for set location and date. As a part of an assignment on the course introduction into Astronomy.
- Writing and documenting solutions to leetcode problems that are more efficient and readable.

Intrests

- Code optimization, both high and low level optimization.
- Writing clean and elegant code.
- Learning AI/Machine learning.
- Paragliding, Photography, Mountaineering, Movies, Gaming...