Đorđe Milanović

I am an innovative software engineer, brimming with enthusiasm, and I bring with me many years of experience in various self-taught programming languages and technologies. Notably, my proficiency shines in *C#*, *C*, *Verilog*, and *Go*. I am passionate about taking on challenging projects, continuously seeking new knowledge and training opportunities.

My mother tongue is Serbian, and I am fluent in English.

I thrive in collaborative environments and enjoy socializing. Outside of work, my favorite hobbies include hiking, skiing, and swimming.

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Education

Elementary School „Veselin Masleša", Foča, RS, B&H / 2007 – 2016

- Winner of numerous awards in mathematics, computer science, and physics competitions at the republic and state levels.
- Participant at JBOI 2016

Secondary School „Foča"- Gymnasium, Foča, RS, B&H / 2016 – 2020

- Vuk Karadzic Diploma
- Continued to excel in school competitions

School of Electrical Engineering, Belgrade, Serbia / 2020 - ?

- GPA: 9,90/10,00 (192/240 ECTS)
- Gold medal at "Elektrijada" (OOP competition) in 2023.
- Active participation as a student assistant in multiple courses

Projects (github.com/djordje200179)

- **Niski** (*Verilog*; *C*; *Assembly*)
    - *RISC-V* CPU (*RV32IMZicsr*) with supervisor mode support
    - A multi-threaded, single-process operating system that provides *C23* version of *C* library
    - An efficient buddy and slab memory allocator for kernel data structures
    - Controllers and drivers for various peripherals (LCD, LEDs, buzzer, 7-segment display…)
- **Meduce** (*Go*)
    - A library for multi-threaded concurrent data processing
- **Spellio** (*Go*)
    - A library for storing words in a *Trie* data structure, enabling word ending predictions and corrections
- **LindaSharp** (*C#*; *ASP.NET*; *Python*)
    - A library for distributed communication by tuple-based message passing
    - *An ASP.NET* server for accessing tuple spaces through HTTP requests
    - Client libraries for *.NET* and *Python*
- System Software course project (*C++*; *Flex*; *Bison*)
    - Assembler, linker, and emulator for RISC-based CPU
- E-business Infrastructure course project (*Python*; *Flask*; *Spark*; *Ethereum*)
    - A *Dockerized* application for e-commerce
    - Payments using *Ethereum* platform
    - Statistical calculations with *Spark*