



Darko Ristivojević

Date of birth: 7 March 1991

Mobile phone number: +38162773991

E-mail: [rileks91@gmail.com](mailto:rileks91@gmail.com)

## Personal Profile

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- Enthusiastic student
- Hard working individual, always willing to learn and develop new skills
- Friendly, helpful and polite
- Able to work independently and also within a team setting
- Good listener and learner, able to listen effectively when solving problems

## Key Skills

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- OO Programming
- C/C++, Java
- Concurrent Programming
- System Programming
- UML Software Design
- Design Patterns
- Algorithms and Data Structures
- SQL

## Education

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- **School of Electrical Engineering,  
University of Belgrade (2010 - present)**
  - Student on last year
  - GPA: 9.07
  - 1 exam to graduate

## Areas of Interest

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- C++/Java Programming

## **Project Assignments Accomplished**

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### **Process Management Subsystem of Operating System**

- Implementation of interface used for creating, destroying and managing processes; queues, context switch
- Target architecture is 8086 processor
- C++, Borland C compiler
- Time spent: approximately 20 days

### **File Management Subsystem of Operating System**

- Implementation of file system which uses indexed allocation method
- Partitions creating and formatting; implemented interface for file management
- C++, Visual Studio 2008
- Time spent: approximately 15 days

### **Implementation of Assembler for Von Neumann Architecture**

- Implementation of assembler designed for RISC processor with given instruction set
- Input of assembler is text file with assembly code, output is ELF file
- C, using GNU tools under Linux operating system (Ubuntu distribution)
- Time spent: approximately 30 days

### **Queueing Systems Simulator**

- Implementaion of queueing systems simulator; possibility of changing distribution function, setting parameters of distribution function; GUI, statistic review of the simulation execution
- Java, Eclipse
- Time spent: approximately 5 days

### **MicroJava Compiler**

- Implementation of MicroJava compiler, which performs lexic, syntax and semantic analysis of source code, as well as generating bytecode run by MicroJava virtual machine.
- Java, Eclipse, using Java Cup and JFlex tools.
- Time spent: approximately 20 days