



# Jovana Jelčić

**Student of the third year  
of the Faculty of Electrical Engineering**

Born on 12<sup>th</sup> September 1998  
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## EDUCATION

### **College** (September 2017)

Faculty of Electrical Engineering, University of Belgrade, Serbia  
Department of Software Engineering  
Member of Student organisation *ELECTRON*  
Member of SUETF (Students' Association of the Faculty of Electrical Engineering)  
Excellent grades from computer courses

### **High school** (2013-2017)

Gymnasium of Požarevac, Požarevac, Serbia  
Department of Natural Sciences and Mathematics  
Prize for Young Talents of Republic of Serbia „*Dositeja*“ (2017)  
Prize at the State Competition in Mathematics (2016)

### **Primary school** (2005-2013)

Desanka Maksimović, Požarevac, Serbia  
Various National competitions in field of Mathematics and Chemistry  
The best student of generation

### **Petnica Science Center** 2012/2014

Department of Mathematics  
Projects: Cryptography (2012); Geometry of mass (2014)

## VOLUNTEER EXPERIENCE AND LEADERSHIP

### **Student mentor** 2018.

Providing support to young students in the educational process and activities at the faculty

**President of the Student Parliament ( 2016/2017)**

Presentation and promotion of students' rights  
Encouraging social activities  
Cooperation with similar youth organizations

**Volunteer participation in projects ( 2013-2017)**

Improvement of the environment  
Fight against drug addiction  
Health and sport  
Etc.

**Participation in a seminar organized by Microsoft ( 2018)**

Women's stories about IT

**PROJECTS****[Operating systems ] Multithreaded operating system kernel (C++, Assembly) (Apr – Jun 2019)**

C++ kernel, supporting multithreading, time sharing, semaphores, events, and external interrupts implemented by redirecting the timer routine. The whole project was written for Intel 8086 processor.

**[Algorithms and data structures] Implementation of priority queue using binomial heap (C) (Dec 2018 – Jan 2019)**

Demonstrated full understanding of trees, heaps, and queues. Developed elementary operations with heaps, such as insertion and deletion, getting the minimum value or maximal value from a queue, comparing performances based on queue size.

**[Algorithms and data structures] Implementation of indexes for movies database (C++) (Nov – Dec 2018)**

Implemented B+ tree for optimized searching. Created operations such as loading database from a file, selecting movies from the selected year and number of movies recorder in selected years

**[Fundamentals of Computer Techonology] Altera Cyclone III FPGA DE0 Board (Jan – Feb 2019)**

Implemented the game “Stay on path” using logical circuits and sequential networks.

**SKILLS****Programing languages :**

( Pascal, C, C++, Assembly, Java, Pyton, PicoComputer)

**Operating systems:**

MS Windows, iOS

**Tools:**

MS Visual Studio, Eclipse, Quartus III, NetBeans, MySQL Workbench, SQLite, Lazarus, Star UML, XCode.

**Languages:**

Serbian (native)

English (middle level of language skills with the possibility of rapid improvement)

German (beginner)

Great math skills

**PERSONAL STATEMENT**

Highly motivated for learning and training

Ready for business challenges

Creative and able to make decisions

Capable of working in the team as well as individually

Flexible and without prejudice