



# SANJA MILOVANOVIĆ

Automation &  
Control Systems  
Engineer

## CONTACT

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## PRO SKILLS

C \_\_\_\_\_  
Ladder \_\_\_\_\_  
SCADA/HMI \_\_\_\_\_  
Matlab \_\_\_\_\_  
Microsoft Office \_\_\_\_\_

## LANGUAGES

English: C1  
German: B1

## HOBBIES



Video editing



Books



## PROFILE

An inventive recent Electrical Engineering graduate highly capable of working in a challenging environment with complex tasks. Passionate about acquiring new software skills and fluent in: C, Matlab and PLC programming, through experience in additional academic projects. Particularly effective in a collaborative workplace with strong communication skills and knowledge of different languages.



## EDUCATION

- M.Sc. in Electrical Engineering and Computer Science**  
Faculty of Electrical Engineering, Univ. of Belgrade 2019 - Present  
The Department of Signals and Systems
- B.Sc. in Electrical Engineering and Computer Science**  
Faculty of Electrical Engineering, Univ. of Belgrade 2015 - 2019  
The Department of Signals and Systems
  - Worked on industry like projects in Automation and Electronics
  - Student Mentor Volunteer
  - GPA: 8.11



## PROJECTS

- Sorting Line with Color Detection** July 2018 - Sept. 2019
  - Developed an algorithm for a S7-1500 programmable logic controller in ladder logic, TIA portal
  - Predicted unauthorized events in the form of an error signal and provided creative ideas for further project advancements
- Reflex Testing** Nov. 2018 - Jan. 2019
  - Programmed a MSP430 microcontroller embedded system in C programming language and assembly language, debugged the project
  - Implemented interrupts for buttons, LED lights and a LCD screen
- Isothermal CSTR** Nov. 2018 - Jan. 2019
  - Modeled an Isothermal CSTR system in Simulink, Matlab
  - Formed nonlinear controllers and done a comparative analysis
- Miller Integrator** May 2017 - July 2017
  - Designed the Miller Integrator electric circuit in LTspice
  - Soldered and tested the corresponding circuit board



## EXPERIENCE

- Control Systems Tutor** Dec. 2018 - Aug. 2019  
Self-Employed
  - Educated 40 students through private classes, 92% of which passed the final exam including 60% with high exam scores
  - Explained subject concepts in an understandable and concise way
- Student Mentor (Volunteering)** Oct. 2016 - Oct. 2017  
Faculty of Electrical Engineering, Univ. of Belgrade
  - Directed students over the course of their freshman year, helped them with changes related to studying and with their professional orientation



## SCHOLARSHIPS & CERTIFICATES

**City Scholarship**  
College financial aid throughout  
four years of Bachelor Studies

**ParkUP! Startup Camp**  
Science Technology Park  
Entrepreneurial certificate for  
completing a startup simulation