

**Email** lukapn@gmail.com  
**Address** Vojvode Stepe 194, 11000  
Belgrade, Serbia  
**Phone** +381693023311

---

# Luka Miletic

## OBJECTIVE

Master's student at the School of Electrical Engineering, department of Software Engineering, primarily interested in working on interesting Research and Development projects regarding distributed and automated systems. I am eager to improve current and attain new skills through various project and team work.

## ADDITIONAL INFORMATION

- Drivers license of B category
  - **American B1/B2 Visa expiration date: June 2028**
- 

## EXPERIENCE

### Teaching assistant

#### Singidunum University

Belgrade, Serbia

*September-2018 - Currently*

- Research on fault-tolerant distributed systems
- Research on automated systems
- Teaching courses on algorithms and data structures (JAVA), programming (C, C++), mobile application development (Android) and software specification (UML)

### Student assistant

#### School of Electrical Engineering

Belgrade, Serbia

*October-2017 - Currently*

- Supervising and grading laboratory exercises in Object Oriented programming and UML Design

### Volunteer

#### NF Innova

Belgrade, Serbia

*April-2017 - May-2017*

- Learning Swift programming language (for iOS platform)
- 

## EDUCATION

### Master's degree

#### School of Electrical Engineering

Belgrade, Serbia

*Currently enrolled*

### Bachelor of Electrical and Computer Engineering

#### School of Electrical Engineering

- 2014 - 2018
- **GPA 9.36/10**
- **Student mentor** of first year students at my college

Belgrade, Serbia

2018

- **Private lessons/tutoring** fellow students in various subjects (structural programming, object oriented programming, concurrent and distributed programming, algorithms and data structures, microprocessor systems, compilers etc.)

## High school graduate

Grammar School

Paracin

2014

- 2010 - 2014
- **GPA 5/5**
- **Valedictorian**
- Class president

---

## SKILLS

[Java, C, C++, Pascal, PHP, SQL, JavaScript], [Eclipse, Visual Studio, NetBeans, StarUML, Android Studio], [Distributed and concurrent programming, Android application development], [Hard-working, persistent, reliable, resourceful, creative]

---

## LANGUAGES

### English

[reading – proficient, writing – proficient, speaking – proficient] - Cambridge certificate in advanced English (CAE), grade A

### Russian

[reading – proficient, writing – basic, speaking – basic]

---

## PROJECTS

Formal and simulation analysis of data dissemination algorithms in a blockchain network (Senior thesis): improving the performance of a gossiping algorithm used in Tendermint; available online in: [https://github.com/lukamiletic95/senior\\_thesis](https://github.com/lukamiletic95/senior_thesis)

Backgammon Android platform game implementation (Java, Android): implementation included working with MultiTouch, MediaPlayer, Sensors, Android SQLite database

"Dermomedica" - desktop application for a private medical institution (JAVA, JDBC, MSSQL Server): **first commercial purposes project**; implementation included managing data about patients and quick search according to various criteria

PID regulator implementation (MicroC): implementation included enabling ping-pong ball levitation in a 3m length tube, using a hair dryer fan; the same principle is used in cruise control in modern vehicles

Multithreading operating system kernel with time sharing (C++): implementing threads, semaphores, events and thread fork

MicroJava compiler (Java): implemented using AST cup and JFlex, compiler could perform all basic functions lexical analysis, syntax analysis, semantic analysis and code generation

X509 Certificate implementation with v3 extensions (Java): implementation included signing certificates, creating requests and replies, digital signatures, hashing and data encryption

