

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, Structural 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**
-

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

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