

# Luka Miletic

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## CONTACT

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## INTERESTS

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.

## 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]

## WORK EXPERIENCE

### Singidunum University, Belgrade, Serbia

**September 2018 — Present**

Teaching assistant

- 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)

### School of Electrical Engineering, Belgrade, Serbia

**October 2017 — Present**

Student assistant

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

### NF Innova, Belgrade, Serbia

**April 2017 — May 2017**

Volunteer

- Learning Swift programming language (for iOS plat

## EDUCATION

### Master's degree

**October 2018 — Present**

School of Electrical Engineering, Belgrade, Serbia

### Bachelor of Electrical and Computer Engineering

**October 2014 — September 2018**

School of Electrical Engineering, Belgrade, Serbia

- **GPA 9.36/10**
- **Student mentor** of first year students at my college
- **Private lessons/tutoring** fellow students in various subjects (structural programming, object oriented programming, concurrent and distributed programming, algorithms and data structures, microprocessor systems, compilers, database systems.)

### High school graduate

**September 2010 — June 2014**

- **GPA 5/5**
- **Valedictorian**

## PUBLISHED PAPERS

1. Luka D. Miletić, Žarko M. Milošević, Marko J. Mišić, Jelica Ž. Protić , **Simulation analysis of data dissemination algorithms in a blockchain network**, Telfor - Telecommunications Forum, pp. 1-4, Nov, 2018.

## 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

## LANGUAGES

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

## ADDITIONAL INFORMATION

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