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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**
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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