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# EMINA MEKIĆ

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## Personal Information

**MOBILE** +387 (0) 61 273 508

**E-MAIL** emina.mekic@ssst.edu.ba

**DATE OF BIRTH** 29.03.1994.

## Work Experience

**JANUARY 2019 - PRESENT**

**IEEE Student Branch Counselor**

SSST University IEEE Student Branch Executive Committee  
Hrasnička cesta 3a, 71000 Sarajevo, BiH  
Leadership and Management of Branch Affairs

**OCTOBER 2018 - PRESENT**

**Senior Teaching Assistant**

SSST University  
Hrasnička cesta 3a, 71000 Sarajevo, BiH

**COURSES:**

- ▶ *Programming and Problem Solving I* (Fall 2020)
- ▶ *Introduction to Computer Science and Information Systems* (Fall 2020)
- ▶ *Programming and Problem Solving II* (Spring 2020)
- ▶ *Database Systems* (Spring 2020)
- ▶ *Programming and Problem Solving I* (Fall 2019)
- ▶ *Introduction to Computer Science and Information Systems* (Fall 2019)
- ▶ *Programming and Problem Solving II* (Spring 2019)
- ▶ *Operating Systems* (Spring 2019)
- ▶ *Programming and Problem Solving I* (Fall 2018)
- ▶ *Introduction to Computer Science and Information Systems* (Fall 2018)

**JANUARY 2017 - JANUARY 2019**

**IEEE Student Branch Chair**

SSST University IEEE Student Branch Executive Committee  
Hrasnička cesta 3a, 71000 Sarajevo, BiH  
Student Leadership and Management of Branch Affairs

**OCTOBER 2016 - OCTOBER 2018**

**Teaching Assistant**

SSST University  
Hrasnička cesta 3a, 71000 Sarajevo, BiH

**COURSE:** *Programming and Problem Solving* with C++ (Spring 2018)

**SEPTEMBER 2016 - OCTOBER 2017**

**Computer Science and ICT Lecturer**

SSST Gymnasium  
Bistrik 7, 71000 Sarajevo, BiH  
High school education

**SEPTEMBER 2015 - PRESENT**

**University Information System SPACE Coordinator and Developer**

SSST University  
Hrasnička cesta 3a, 71000 Sarajevo, BiH  
Software engineering; System analysis and design; Project management; Product management, Customer service and support

**AUGUST 2014 - SEPTEMBER 2015**

**Software Developer Intern**

Mistral Technologies  
Maglajska 1, 71000 Sarajevo, BiH  
Software development

**OCTOBER 2014 - JUNE 2015**

**Lab Demonstrator**

SSST University  
Hrasnička cesta 3a, 71000 Sarajevo, BiH  
COURSES:

- *Calculus* (Fall 2014)
- *Linear Algebra* (Fall 2014)
- *Operating Systems* (Spring 2015)
- *Discrete Math* (Spring 2015)

## Education

**2016 - 2018**

**Master of Science (MSc) in Computer Science  
Master's Programme in Computer Science and Information Systems  
with Focus on Big Data**

University Sarajevo School of Science and Technology (SSST)  
Hrasnička cesta 3a, 71000 Sarajevo, BiH

**Top of Class (Average grade: 10/10)**

Title of Thesis Work: *Buffered Count-Min Sketch on SSD: Scaling a Streaming Data Structure to External Memory*

**2012 - 2016**

**Bachelor of Science (BSc) in Computer Science**

University Sarajevo School of Science and Technology (SSST)  
Hrasnička cesta 3a, 71000 Sarajevo, BiH

Major: **Computer Science**

Minor: **Electrical Engineering**

**Top of Class**

Title of Thesis Work: *SSST University Information System SPACE as an iOS Application - Student Module*

**2008 - 2012**

Gazi Husrev-Bey's Madrasah High School

Sarači 49, 71000 Sarajevo, BiH

Student of generation/**Top of Class** 2012-2014

**Average grade: 5.0/5**

**2000 - 2008**

Šejh Muhamed ef. Hadžijamaković Primary School

Iza Hrida 11, 71000 Sarajevo, BiH

Student of generation/**Top of Class** 2000-2008

**Average grade: 5.0/5**

## Professional Development

- The Certificate for Successful Completion of the **UNESCO-ISED Co-Sponsored Fellowships Programme 2017 "Effective Use of Energy Resources. Municipal Energy Management and Energy Efficiency in Buildings"** (In Partnership with the UNDP-GEF Project "Building energy efficiency in the North-West of Russia"), 2-27 October 2017, Moscow, Russian Federation
- The Certificate for Attendance and Completion of the '*Moja praksa*' Internship, January 2015, USAID, Sarajevo, BiH
- The Certificate of Achievement for Completion of the **EdIT14 Programming Summer School "NFC Technology in Mobile Apps"**, July 2014, Comtrade d.o.o. Sarajevo, BiH
- The Certificate of Achievement for Completion of the **English Access Microscholarship Program**, 2010-2013, U.S. Embassy Sarajevo, BiH

## Honours and Awards

- ▶ IEEE President's Challenge Coin for Extraordinary Efforts in Promoting and Developing Technology and Engineering Society in BiH (on behalf of the IEEE President & CEO Jim Jeffries), IEEE SYP Congress "Made in BiH", University SSST, November 2018
- ▶ The Certificate of Outstanding Academic Achievement - Top of Class, (Class of 2018), University SSST, September 2018 [Postgraduate Master Studies]
- ▶ The Annual Certificate of Outstanding Academic Achievement - Top of Class, University SSST, academic year 2016/17
- ▶ The Honours Degree Award in the First Class (Class of 2017), University of Buckingham, March 2017 [Undergraduate Studies]
- ▶ The Certificate of Outstanding Academic Achievement - Top of Class (Class of 2016), University SSST, September 2016 [Undergraduate Studies]
- ▶ The Annual Certificate of Outstanding Academic Achievement - Top of Class, University SSST, academic year 2015/16
- ▶ The 3rd Place Certificate for Game Challenge at FIT Coding Challenge 2016 (FMON, University Džemal Bijedić, Mostar, BiH), June 2016
- ▶ The Annual Certificate of Outstanding Academic Achievement - Top of Class, University SSST, academic year 2014/15
- ▶ The Annual Certificate of Outstanding Academic Achievement - Top of Class, University SSST, academic year 2013/14
- ▶ The Annual Certificate of Outstanding Academic Achievement - Top of Class, University SSST, academic year 2012/13
- ▶ The Best Student of Generation in High School, generation 2008-2012
- ▶ The Best Student of Generation in Primary School, generation 2000-2008

## Publications

- ▶ Mekic E., Ganic E. (2019) SPACE - *Proprietary University and Gymnasium Information System*. In: Avdaković S. (eds) *Advanced Technologies, Systems, and Applications III*. IAT 2018. Lecture Notes in Networks and Systems, vol 60. Springer, Cham
- ▶ Mayank Goswami, Dzejla Medjedovic, Emina Mekic, and Prashant Pandey. (2018) *Buffered count-min sketch on SSD: Theory and Experiments*. CoRR, abs/1804.10673, 2018. URL: <http://arxiv.org/abs/1804.10673>, arXiv: 1804.10673.
- ▶ Eydi E., Medjedovic D., Mekic E., Selmanovic E. (2018) *Buffered Count-Min Sketch*. In: Hadžikadić M., Avdaković S. (eds) *Advanced Technologies, Systems, and Applications II*. IAT 2017. Lecture Notes in Networks and Systems, vol 28. Springer, Cham

## Skills and Competences

### MOTHER TONGUE

Bosnian

### OTHER LANGUAGES

	UNDERSTANDING	SPEAKING	WRITING
English	Proficient	Proficient	Proficient
German	Intermediate	Intermediate	Intermediate
Arabic	Basic	Basic	Basic