


BIOGRAFIJA

LIČNE INFORMACIJE	
	<p>Una Drakulić</p> <p>📍 Bosanskih Šehida bb, Bihać , Bosna i Hercegovina</p> <p>☎ +38761076725</p> <p>✉ una.drakulic@unbi.ba</p> <p>Spol: Ženski</p> <p>Datum rođenja: 17.02.1994.god.</p> <p>Državljanstvo: BiH, HR</p>
	<p>ZVANJE</p> <p>11.09.2021. - danas Viši asistent za užu naučnu oblast Automatika i elektronika na Tehničkom fakultetu Bihać</p> <p>11.06.2020. Magistar elektrotehnike, Usmjerenje telekomunikacije</p> <p>12. 01. 2017. Bakalaureat/Bachelor elektrotehnike, Diplomirani inženjer informatike</p> <p>26. 10. 2018. Asistent za užu naučnu oblast Automatika i elektronika na Tehničkom fakultetu</p>
<p>OBRAZOVANJE</p> <p>21.02.2022.- danas Student na III ciklusu studija Elektrotehnika i računarstvo, Tehnički fakultet Bihać</p> <p>Od 2018. do 2020. Fakultet elektrotehnike u Tuzli, studijski program Elektrotehnika i računarstvo usmjerenje Telekomunikacije (Magistrirala 11.06.2020. godine, Tema završnog rada: <i>Sistem za daljinsko upravljanje i monitoring staklenika upotrebom internet stvari IoT</i> Prosjek ocjena: 8.66)</p> <p>Od 2012. do 2017. Tehnički fakultet Bihać, odsjek Elektrotehnika, smjer Informatika (Diplomirala 12.01.2017. godine, Tema završnog rada: <i>Upotreba Android operativnog sistema i mikrokontrolera ATmega2560 za upravljanje 3D LED matičnim displejem</i> Prosjek ocjena: 8.47)</p> <p>Od 2008. – 2012. Gimnazija 'Bihać'</p>	
<p>LIČNE VJEŠTINE</p> <p>MATERNJI JEZIK: Bosanski jezik</p> <p>OSTALI JEZICI: Razumjevanje Govor Pisanje</p> <p>Engleski jezik: 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5</p> <p>Njemački jezik: 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5</p>	
<p>RAČUNARSKE VJEŠTINE</p> <p>Pored osnovnog rada na računaru, dobro poznajem i aktivno koristim: <i>Operativne sisteme:</i> Windows, Android, Linux <i>Programi:</i> Matlab, Prolog, Java, C++, Latex, Circuit Wizard, Android Studio, Proteus, Arduino, Mplabx i mnoštvo manjih programskih jezika namjenjenih za specifične upotrebe.</p>	

ORGANIZACIJSKE/ RUKOVODITELJSKE OSOBINE	Smatram sa sam ažurna, snalažljiva i osoba koja voli red, rad i disciplinu. Samim tim pokazala sam odlične liderske osobine kroz razne projekte (različiti stepeni CIVITAS projekata i naučnih konferencija te mnogih drugih naučno-obrazovnih seminara).
OSTALE VJEŠTINE	Sposobnost brzog učenja, preciznost u vremenskim rokovima i podržavanje timskog rada, marketing i komunikacija na društvenim mrežama.
VOZAČKA DOZVOLA	B kategorija
PRETHODNA ZAPOSLENJA	<p>02.03.2017. – 07.05.2017. Predavač stručnih predmeta, elektro struke u JU Mješovita elektrotehnička i drvoprerađivačka srednja škola</p> <p>2018. – 2021. Asistent pripravnik za užu naučnu oblast Automatika i elektronika na Tehničkom fakultetu Bihać</p> <p>2021. - danas Viši asistent za užu naučnu oblast Automatika i elektronika na Tehničkom fakultetu Bihać</p>

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POPIS JAVNO OBJAVLJENIH RADOVA

1. Edin Mujčić; **Una Drakulić**; Škrgić Merisa Closed loop temperature control using MATLAB@Simulink, Real-Time Toolbox and PIC18F452 microcontroller, Internacionalni simpozij o inovativnim i interdisciplinarnim aplikacijama savremenih tehnologija (IAT) (BHAAAS), Neum, 2016.
2. Edin Mujčić; **Una Drakulić**; Škrgić Merisa Advertising LED system using PIC18F4550 microcontroller and LED lighting, Internacionalni simpozij o inovativnim i interdisciplinarnim aplikacijama savremenih tehnologija (IAT) (BHAAAS), Neum, 2016.
3. Edin Mujčić; **Una Drakulić**; Mujo Hodžić Using Microcontrollers and Android for Control Matrix Display, 25th International Electrotechnical and Computer Science Conference ERK 2016 (IEEE), Portoroz, 2016.
4. Edin Mujčić; **Una Drakulić**; Merisa Škrgić Smart Parking System Based on Arduino SD Card Ajax Web Server, International symposium on information and communication technologies – ISICT, Teslić, 2017.
5. Edin Mujčić; **Una Drakulić** Using ZigBee Based Wireless Sensor Networks for Wireless Monitoring of Base Life Functions, 26th International Electrotechnical and Computer Science, Conference ERK 2017 (IEEE), Portoroz, 2017.
6. Edin Mujčić; **Una Drakulić** Upotreba Android operativnog sistema i mikrokontrolera ATmega2560 za upravljanje 3D-LED matričnim displejem, 11th International Scientific Conference on Production Engineering RIM 2017, Sarajevo, 2017
7. Edin Mujčić, **Una Drakulić**: Monitoring and Control of the Greenhouse Using Remote Control Device and IoT, International Journal of New Innovations in Engineering and Technology, Volume 12 Issue 3 December 2019, ISSN: 2319-6319
8. Amel Toroman, Edin Mujčić, **Una Drakulić**: Fuzzy systems and their application in the study enrollment process, RIM 2019, Development and Modernization of Production, Sarajevo 2019
9. Edin Mujčić, **Una Drakulić**, Amel Toroman: Using IoT for remote monitoring and control microclimatic conditions in the greenhouse, RIM 2019, Development and Modernization of Production, Sarajevo 2019
10. Edin Mujčić; **Una Drakulić**; Škrgić Merisa, Chapter 24: „Closed loop temperature control using MATLAB@Simulink, Real-Time Toolbox and PIC18F452 microcontroller” in the Book:” Advanced Technologies, Systems, And Applications”, Series Title: Lect. Notes in Networks, Syst. Volume Number: 3, ISBN: 978-3-319-47294-2, Springer Nature 2016.
11. Edin Mujčić; **Una Drakulić**; Škrgić Merisa, Chapter 25: „Advertising LED system using PIC18F4550 microcontroller and LED lighting” in the Book:” Advanced Technologies, Systems, And Applications”, Series Title: Lect. Notes in Networks, Syst. Volume Number: 3, ISBN: 978-3-319-47294-2, Springer Nature 2016.
12. **Una Drakulić**, Edin Mujčić: Remote Monitoring and Control System for Greenhouse Based on IoT, In book: Advanced Technologies, Systems, and Applications IV, Proceedings of the International Symposium on Innovative and Interdisciplinary Application of Advanced Technologies IAT 2019, Publisher: Springer Cham, June 2019
13. Zehra Šabić, **Una Drakulić**, Edin Mujčić: The Smart Greenhouse System Based on The Mobile Network and IoT, In book: Advanced Technologies, Systems, and Applications V, Publisher: Springer, June 2020
14. Minela Selmanović, Una Drakulić, Edin Mujčić: Smart Musical Fountain, In book: Advanced Technologies, Systems, and Applications V, Publisher: Springer, June 2020
15. Edin Mujčić, **Una Drakulić**: Design and implementation of fuzzy control system for egg

- incubator based on IoT technology, RIM 2021 Publish by IOP Conference Series: Materials Science and Engineering, Volume 1208 (2021) 011001 doi:10.1088/1757-899X/1208/1/011001
16. Azra Vojić, Edin Mujčić, **Una Drakulić**: Remote control and monitoring in smart homes using voice commands, RIM 2021 Publish by IOP Conference Series: Materials Science and Engineering, Volume 1208 (2021) 011001 doi:10.1088/1757-899X/1208/1/011001
 17. Aldina Sušić, **Una Drakulić**, Edin Mujčić: Analysis of Blood and Urine Findings Using the Fuzzy System, Proceedings of the International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies (IAT) 2021 Published in Advanced Technology, Systems, and Applications VI, ebook ISBN 973-3-030-90055-7, Springer Nature 2021.
 18. Sandra Pajzetović, **Una Drakulić**, Edin Mujčić: The smart security alarm system for vehicles, Proceedings of the International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies (IAT) 2021 Published in Advanced Technology, Systems, and Applications VI, ebook ISBN 973-3-030-90055-7, Springer Nature 2021.
 19. **Una Drakulić**, Edin Mujčić, Remote Digital Thermometer for Control Pellet Stove Heating System, In book Advanced Technologies, Systems, and Applications VII, October 2022, DOI: 10.1007/978-3-031-17697-5-5_6
 20. Edin Mujčić, **Una Drakulić**, Amel Toroman, Intelligent Traffic Light Control System Using Fuzzy Logic, In book Advanced Technologies, Systems, and Applications VII, October 2022, DOI: 10.1007/978-3-031-17697-5-5_8
 21. **Una Drakulić** and Edin Mujčić, A Comparative Performance Analysis of Various Antivirus Software, In Proceedings of the International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies IAT 2023, Lecture Notes in Networks and Systems 644, Tuzla 2023
 22. **Una Drakulić**, Performance comparison of bilateral teleoperation control of direct control, PID control, and fuzzy logic control for water tank system, In IOP Conference Series: Materials Science and Engineering, 2023
 23. Amel Toroman, **Una Drakulić**, Amel Džanić, Azra Kapić, Raspberry Pi based Web Monitoring Smart Security System, In IOP Conference Series: Materials Science and Engineering, 2023
 24. **Una Drakulić**, Branko Blanuša, The use of a fuzzy logic controller in photovoltaic power systems for maximizing PV array efficiency, In IOP Conference Series: Materials Science and Engineering, 2023

OBJAVLJENE KNJIGE

1. **Digitalna elektronika** / Edin Mujčić, Una Drakulić. - Bihać: Univerzitet u Bihaću, 2020. - 214 str. : ilustr. ; 25 cm
Bibliografija: str. [215]. - Registar.
ISBN 978-9958-533-20-4
COBISS.BH-ID 40995078
2. **PYTHON** /Edin Mujčić, Una Drakulić. - Bihać: Univerzitet u Bihaću, 2022. - 219 str. : ilustr. ; 25 cm
Bibliografija: str. [221-222]. - Registar.
ISBN 978-9926-508-00-5
COBISS.BH-ID 50988038