Joanikij Chulev

Date of birth: 25 Apr 2002

Nationality: Macedonian/citizen of the Republic of North Macedonia | **Phone number:**

(+389) 75235603 (Mobile) | **Email address:** joanikijchulev@proton.me | **Email address:**

nikipugking@gmail.com | **WhatsApp Messenger:** +38975235603 |

Address: St. Franjo Kluz No. 2/1-97, 1000, Skopje, North Macedonia (Home) |

Address: Avinguda de Francesc Botey, 51, 08930 Sant Adrià de Besòs, Barcelona, Spain, 08930, Barcelona, Spain (School Dormitory Address)

WORK EXPERIENCE

1 JAN 2023 – 31 OCT 2023 Skopje, North Macedonia
BI/DWH PROJECT ASSISTANT INTEC SYSTEM

Review and analyses of BI/DWH systems in Sparkasse Bank and their utilization level
- In-depth analysis of complex data systems and identification of key issues and areas for improvement
- Data integration and modeling
- Data Quality Control and Monitoring

Business or Sector Professional, scientific and technical activities |

Address St. Anton Popov No 16B, 1000 Skopje, Skopje, North Macedonia | **Email** zlatko.efremov@intecsystem.com |

Website https://intecsystem.com/

1 JUN 2023 – 15 NOV 2023 Skopje, North Macedonia
DATA SCIENCE AND AI PROJECT "ATLAS" CONTRIBUTOR SOLS DOO SKOPJE

- cleaning and optimizing datasets
- annotating data
- providing invaluable feedback on responses
- conducting vital research for selecting the most suitable language model for AI's response

Business or Sector Professional, scientific and technical activities |

Address St. Kosturski Heroi No.2/2, 1000 Skopje, Skopje, North Macedonia | **Email** nenad@sols.mk |

Website https://sols.mk/home

1 APR 2022 – 31 MAY 2023 Middelburg, Netherlands
ASSISTANT FOR ALUMNI SURVEY UNIVERSITY COLLEGE ROOSEVELT - UTRECHT UNIVERSITY

- Assist in collecting contact information and relevant data from alumni
- Help in administering the survey by distributing surveys to alumni
- Point of contact for alumni, answering their queries about the survey, providing instructions, and addressing any concerns they may have
- Conduct follow-up communications with alumni who have not responded to the initial survey, reminding them to participate and emphasizing the importance of their input
- Assist in organizing and entering survey responses into a database or survey management system which include ensuring data accuracy, organizing responses for analysis, and maintaining data confidentiality.
- Help in generating reports and summaries of survey findings based on the collected data which involve compiling and analyzing survey responses, identifying trends or patterns, and presenting the results in a clear and concise manner

- Collaborate with other team members involved in the survey
- Assist in documenting the survey process, including the methodology used, any challenges or issues encountered, and recommendations for future surveys

Business or Sector Education ⏐ **Department** Student Alumni ⏐

Address Lange Noordstraat 1, 4331 CB Middelburg, Middelburg, Netherlands ⏐ **Email** info@ucr.nl ⏐ **Website** https://www.ucr.nl/

14 OCT 2020 – 14 AUG 2021 Skopje, North Macedonia
FITNESS INSTRUCTOR SYNERGY FITNESS & SPA

- Assist clients in determining their specific fitness and health goals.
- Support the process of diet plan development and implementation.
- Oversaw the use of gym equipment, ensuring client safety at all times.
- Demonstrate the use of equipment to clients.
- Track client progress, and report to personal trainers.
- Educate clients on areas such as weight lifting.
- Ensure that all health and safety regulations were being followed.
- Handled clients' personal information in confidential files.

Business or Sector Arts, entertainment and recreation ⏐ **Address** Vladimir Komarov 11A, 1000, Skopje, North Macedonia ⏐

Email info@synergyfitness.com.mk ⏐ **Website** https://synergyfitness.com.mk/en/home/

Link https://www.youtube.com/watch?v=5ym7eKZJT3w

1 SEP 2022 – 20 JUN 2024 Middelburg, Netherlands
HOTEL NIGHT RECEPTIONIST VALK EXCLUSIVE HOTEL MIDDELBURG

- Greet and welcome guests, visitors, or clients who arrive during the night shift. Provide a friendly and professional first point of contact, ensuring a positive experience for all individuals entering the premises
- Handle the check-in and check-out processes for guests arriving or departing during the night. Collect necessary identification and payment details, issue room keys, and provide information about hotel amenities, policies, and procedures
- Maintain a secure and safe environment by making control checks on the hotel premises, monitoring access to the premises, ensuring that only authorized individuals enter the building during the night. Follow established security protocols and procedures, such as verifying identification and monitoring surveillance systems
- Assist guests with making or modifying reservations, as well as answering inquiries regarding room availability, rates, and hotel services. Use the hotel's reservation system or software to manage and update guest information accurately
- Answer phone calls, respond to emails, and address guest inquiries or requests promptly and professionally. Provide information, offer assistance, and resolve any concerns or issues to the best of your ability or direct them to the appropriate staff member
- Prepare nightly reports summarizing the day's activities, including the number of check-ins, check-outs, and any notable incidents or requests, filing the vending machines, cleaning the area
- Handle guest complaints or problems professionally and tactfully, aiming to resolve issues promptly and to the guest's satisfaction
- Be prepared to handle emergency situations, such as fires, medical emergencies, or security incidents, by following established procedures and contacting the appropriate authorities or emergency personnel. Provide assistance and support to guests and staff during such events
- Assist with general administrative tasks, such as filing, organizing documents, or maintaining inventory of office supplies, during periods of low activity or downtime etc.

Business or Sector Accommodation and food service activities ⏐ **Department** Front Desk ⏐

Address Paukenweg 3, 4337WH Middelburg, Middelburg, Netherlands ⏐ **Email** Middelburg@valk.nl ⏐

Website https://www.valkmiddelburg.nl/

EDUCATION AND TRAINING

1 SEP 2024 – CURRENT Barcelona, Spain
POSTGRADUATE STUDENT IN EMSSE Universitat Politècnica de Catalunya · Barcelona Tech - UPC

Website https://www.upc.edu/en?set_language=en ⏐ **Level in EQF** EQF level 7

29 AUG 2021 – 17 JUN 2024 Middelburg, Netherlands
BACHELOR OF SCIENCE - MAJOR IN COMPUTER SCIENCE / MINOR IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE University College Roosevelt - Utrecht University

Address Lange Noordstraat 1 , 4331 CB, Middelburg, Netherlands ｜ **Website** ucr.nl ｜ **Level in EQF** EQF level 6

31 AUG 2017 – 24 JUN 2021 Skopje, North Macedonia
CERTIFICATE/DIPLOMA FOR SECONDARY SCHOOL SUGS "Rade Jovceski Korcagin"

Address St. Josif Josifovski Svestarot No.35 , 1000, Skopje, North Macedonia

31 AUG 2018 – 14 FEB 2019 Skopje, North Macedonia
GRAPHIC DESIGN & 3D MODELING M3DS Autodesk Training Center

Address St. Ljubljanska No.5, 1000, Skopje, North Macedonia ｜ **Website** https://www.m3dsacademy.com/

15 JAN 2021 – 23 FEB 2021 Skopje, North Macedonia
PROGRAMMING IN C++ Semos Education

Address Avn. Kuzman Josifovski Pitu No.19 loc.8, 1000, Skopje, North Macedonia ｜

Website https://semosedu.com.mk/Home_page.aspx

DIGITAL SKILLS

Deep learning/Neural networks ｜ Microsoft Word ｜ Microsoft Excel ｜ Microsoft Office ｜ Microsoft Powerpoint ｜ Google Docs ｜ Google Drive ｜ Prologue ｜ Power Point ｜ Research and analytical skills ｜ Python ｜ Java ｜ MySQL ｜ Prolog ｜ Mathematica ｜ Grel ｜ SPSS ｜ Cisco/PacketTracer ｜ Whireshark ｜ CPN Tools ｜ Net Logo ｜ C++ ｜ PSPP ｜ MongoDB ｜ SQL ｜ deep learning ｜ RegEx ｜ Business Intelligenc ｜ DWH concepts ｜ Data analysis & Data Management ｜ R ｜ Good programming skills with: Python, C++, Arduino IDE, MATLAB ｜ Autodesk Maya 3D modelling software

PERSONAL SKILLS

Organizational and planning skills ｜ Problem-solving ｜ Presentation and negotiation skills ｜ Team-work oriented ｜ Motivated ｜ Conflict resolution ｜ Critical thinking ｜ Creativity ｜ Flexibility ｜ Responsibility ｜ Analytical skills ｜ Written and Verbal skills ｜ Decision-making ｜ Strategic Planning ｜ integrity ｜ Excellent organizational planning and solving problems in short time ｜ Good listener and communicator

https://github.com/JoanikijChulev

LANGUAGE SKILLS

Mother tongue(s): **MACEDONIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
SERBO-CROAT	B2	B2	B1	B1	B1
GERMAN	B1	B1	B1	B1	B1
DUTCH	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2024

Improving Musical Instrument Classification with Advanced Machine Learning Techniques

Musical instrument classification, a key area in Music Information Retrieval, has gained considerable interest due to its applications in education, digital music production, and consumer media. Recent advances in machine learning,

specifically deep learning, have enhanced the capability to identify and classify musical instruments from audio signals. This study applies various machine learning methods, including Naive Bayes, Support Vector Machines, Random Forests, Boosting techniques like AdaBoost and XGBoost, as well as deep learning models such as Convolutional Neural Networks and Artificial Neural Networks. The effectiveness of these methods is evaluated on the NSynth dataset, a large repository of annotated musical sounds. By comparing these approaches, the analysis aims to showcase the advantages and limitations of each method, providing guidance for developing more accurate and efficient classification systems. Additionally, hybrid model testing and discussion are included. This research aims to support further studies in instrument classification by proposing new approaches and future research directions.Write here the description...

Chulev, J. (2024, November 1). Improving Musical Instrument Classification with Advanced Machine Learning Techniques. arXiv.org. https://doi.org/10.48550/arXiv.2411.00275

2022
["Normalized Convolution in Restoration"](#)

This paper shows in detail an approach to signal and image reconditioning to a certain extent where the image or signal were deemed to be restorable. We aimed to represent how normalized convolution would work to return images to their original state. This was all done virtually. We did this using a 1-Dimensional signal function, a 2-Dimension matrix function, with an image layout and finally on a high-resolution image, whilst using a Gaussian Filter. We then investigated how much of an image could be removed before it would no longer be possible to restore the original signal.

Chulev, Joanikij et al., Normalized Convolution In Restoration (December 8, 2022), SSRN.

- **DRIVING LICENCE**

Driving Licence: B

- **HOBBIES AND INTERESTS**

Fitness, Nutritionist, Chess, Music production.