Dr. Gezim Sejdiu

https://gezimsejdiu.github.io/

EDUCATION

UNIVERSITY OF BONN
PhD in Computer Science
September 2020 | Bonn, Germany
Magna cum laude

UNIVERSITY OF PRISHTINA
MS in Computer Engineering
July 2014 | Prishtina, Kosovo
GPA: 9.62 / 10.0

BS in Computer Science
January 2009 | Prishtina, Kosovo
GPA: 8.69 / 10.0

LINKS

Github:// **GezimSejdiu**
Google Scholar:// **GezimSejdiu**
LinkedIn:// **GezimSejdiu**
Twitter:// **@Gezim_Sejdiu**

LANGUAGES

ALBANIAN   Native
ENGLISH   Professional working

EXPERIENCE

DEUTSCHE POST DHL GROUP
- Tech Lead Data Engineer
  February 2022 – Present | Bonn, Germany
  – Tech Lead for the Data Service Line.
- Senior Data Engineer
  November 2019 – January 2022 | Bonn, Germany
  – Working with Big Data and Data Analysis.

UNIVERSUM COLLEGE | Assistant Professor
October 2021 - Present | Prishtina, Kosovo

- Responsible for courses: Data Programming (a.k.a Python for Data Science) and Distributed Big Data Analytics @ MSc. Data Science Program.

UNIVERSITY OF BONN | Research Associate
May 2016 – October 2019 | Bonn, Germany

- Worked with Semantic Web, Big Data and Data Analysis. Also interested in the area of distributed computing systems (Apache Spark, Apache Flink)
- Conducted Distributed Big Data Analytics/Lab for master students
- Master thesis supervision

INFAI/UNIVERSITY OF LEIPZIG | Guest Researcher
September 2015 – April 2016 | Leipzig, Germany

- Research on Semantic Web and BigData

KEDS | System Analyst & Senior Software Developer
March 2009 – August 2015 | Prishtina, Kosovo
- Worked on analyzing, reviewing and developing new in-house financial software

EXPIK | Software Developer
July 2008 – February 2009 | Prishtina, Kosovo
- Worked on the developing new software applications

SKILLS

INTERESTS
Big Data • Data Mining and Data Analysis • Semantic Web and Semantic Search • Machine Learning • Distributed Computing

PROGRAMMING LANGUAGES
Scala • Java • Python

TOOLS AND TECHNOLOGIES
Apache Spark • Apache Flink • Docker • Kubernetes • Kubeflow • Terraform • Ansible • Jenkins • Apache Airflow • Open Distro for Elasticsearch / OpenSearch • Clickhouse • Redpanda/Kafka • Google Cloud Platform

PUBLICATIONS

1. Emetis Niazmand; **Gezim Sejdiu** ; Damien Graux; and Maria-Esther Vidal. "Efficient semantic summary graphs for querying large knowledge graphs." In International Journal of Information Management Data Insights, 2(1): 100082. 2022.

2. **Gezim Sejdiu** . "Efficient Distributed In-Memory Processing of RDF Datasets." Ph.D. Thesis, Rheinische Friedrich-Wilhelms-Universität Bonn, October 2020.

3. Damien Graux; **Gezim Sejdiu** ; Claus Stadler; Giulio Napolitano; and Jens Lehmann. "MINDS: a translator to embed mathematical expressions inside SPARQL queries." In 16th International Conference on Semantic Systems (SEMANTiCS), 2020.

4. Hajira Jabeen; Eskender Haziiev; **Gezim Sejdiu** ; and Jens Lehmann. "DISE: A Distributed in-Memory SPARQL Processing Engine over Tensor Data." In 14th IEEE International Conference on Semantic Computing (ICSC'20), 2020.

5. Hajira Jabeen; Damien Graux; and **Gezim Sejdiu** ."Scalable Knowledge Graph Processing Using SANSA." In Valentina Janev; Damien Graux; Hajira Jabeen; and Emanuel Sallinger., editor(s), Knowledge Graphs and Big Data Processing, pages 105–121. Springer International Publishing, Cham, 2020.

6. Claus Stadler; **Gezim Sejdiu** ; Damien Graux; and Jens Lehmann. "Querying large-scale RDF datasets using the SANSA framework". In Proceedings of 18th International Semantic Web Conference (ISWC), Poster & Demos, 2019.

7. Danning Sui; **Gezim Sejdiu** ; Damien Graux; and Jens Lehmann. "The Hubs and Authorities Transaction NetworkAnalysis using the SANSA framework". In 15th International Conference on Semantic Systems (SEMANTiCS), Poster & Demos, 2019.

8. **Gezim Sejdiu** ; Anisa Rula; Jens Lehmann; and Hajira Jabeen, "A Scalable Framework for Quality Assessment of RDF Datasets," in Proceedings of 18th International Semantic Web Conference (ISWC), 2019.

9. Claus Stadler; **Gezim Sejdiu** ; Damien Graux; and Jens Lehmann, "Sparklify: A Scalable Software Component for Efficient evaluation of SPARQL queries over distributed RDF datasets," in Proceedings of 18th International Semantic Web Conference (ISWC), 2019.

10. Pieter Heyvaert; David Chaves-Fraga; Freddy Priyatna; Anastasia Dimou; Juan Sequeda; Hajira Jabeen; Damien Graux; **Gezim Sejdiu** ; Mohammed; Saleem; and Jens Lehmann. "Preface for the Knowledge Graph Building and Large Scale RDF Analytics Workshops." In Joint Proceedings of the 1st International Workshop on Knowledge Graph Building and 1st International Workshop on Large Scale RDF Analytics co-located with 16th Extended Semantic Web Conference (ESWC 2019), 2019.

11. **Gezim Sejdiu** ; Damien Graux; Imran Khan; Ioanna Lytra; Hajira Jabeen; and Jens Lehmann, "Towards A Scalable Semantic-based Distributed Approach for SPARQL query evaluation," 15th International Conference on Semantic Systems (SEMANTiCS), Research & Innovation , 2019.

12. Rajjat Dadwal; Damien Graux; **Gezim Sejdiu** ; Hajira Jabeen; and Jens Lehmann. "Clustering Pipelines of large RDF POI Data" in Proceedings of 16th Extended Semantic Web Conference (ESWC), Poster & Demos, 2019.

13. Natanael Arndt; Sebastian Zänker; **Gezim Sejdiu** ; and Sebastian Tramp. "Jekyll RDF: Template-Based Linked Data Publication with Minimized Effort and Maximum Scalability". In 19th International Conference on Web Engineering (ICWE 2019), of ICWE 2019, Daejeon, Korea, June 2019.

14. **Gezim Sejdiu** ; Ivan Ermilov; Jens Lehmann; and Mohamed Nadjib-Mami, "DistLODStats: Distributed Computation of RDF Dataset Statistics," in Proceedings of 17th International Semantic Web Conference (ISWC), 2018.

15. **Gezim Sejdiu** ; Ivan Ermilov; Jens Lehmann; and Mohamed-Nadjib Mami, "STATisfy Me: What are my Stats?," in Proceedings of 17th International Semantic Web Conference (ISWC), Poster & Demos, 2018.

16. Hajira Jabeen; Rajjat Dadwal; **Gezim Sejdiu** ; and Jens Lehmann, "Divided we stand out! Forging Cohorts fOr Numeric Outlier Detection in large scale knowledge graphs (CONOD)," in 21st International Conference on Knowledge Engineering and Knowledge Management (EKAW'2018), 2018

17. Damien Graux; **Gezim Sejdiu** ; Hajira Jabeen; Jens Lehmann; Danning Sui; Dominik Muhs; and Johannes Pfeffer, "Profiting from Kitties on Ethereum: Leveraging Blockchain RDF with SANSA," in 14th International Conference on Semantic Systems, Poster & Demos, 2018.

18. Jens Lehmann; **Gezim Sejdiu** ; Lorenz Bühmann; Patrick Westphal; Claus Stadler; Ivan Ermilov; Simon Bin; Nilesh Chakraborty; Muhammad Saleem; Axel-Cyrille Ngomo Ngonga; and Hajira Jabeen, "Distributed Semantic Analytics using the SANSA Stack,"; in Proceedings of 16th International Semantic Web Conference - Resources Track (ISWC'2017), 2017.

19. Ivan Ermilov; Axel-Cyrille Ngonga Ngomo; Aad Versteden; Hajira Jabeen; **Gezim Sejdiu** ; Giorgos Argyriou; Luigi Selmi; Jürgen Jakobitsch; and Jens Lehmann, "Managing Lifecycle of Big Data Applications,"; in KESW, 2017.

20. Ivan Ermilov; Jens Lehmann; **Gezim Sejdiu** ; Lorenz Bühmann; Patrick Westphal; Claus Stadler; Simon Bin; Nilesh Chakraborty; Henning Petzka; Muhammad Saleem; Axel-Cyrille Ngomo Ngonga; and Hajira Jabeen, "The Tale of Sansa Spark," in Proceedings of 16th International Semantic Web Conference, Poster & Demos, 2017 (**Best Demo Award**).

21. Jens Lehmann; Gezim Sejdiu; and Hajira Jabeen. "Distributed Knowledge Graph Processing in SANSA." HPI Future SOC Lab: Proceedings 2017, 130: 21. 2017.

22. Sören Auer; Simon Scerri; Aad Versteden; Erika Pauwels; Angelos Charalambidis; Stasinos Konstantopoulos; Jens Lehmann; Hajira Jabeen; Ivan Ermilov; **Gezim Sejdiu** ; Andreas Ikonomopoulos; Spyros Andronopoulos; Mandy Vlachogiannis; Charalambos Pappas; Athanasios Davettas; Iraklis A. Klampanos; Efstathios Grigoropoulos; Vangelis Karkaletsis; Victor Boer; Ronald Siebes; Mohamed Nadjib Mami; Sergio Albani; Michele Lazzarini; Paulo Nunes; Emanuele Angiuli; Nikiforos Pittaras; George Giannakopoulos; Giorgos Argyriou; George Stamoulis; George Papadakis; Manolis Koubarakis; Pythagoras Karampiperis; Axel-Cyrille Ngonga Ngomo; and Maria-Esther Vidal, "The BigDataEurope Platform – Supporting the Variety Dimension of Big Data," in 17th International Conference on Web Engineering (ICWE2017), 2017.

23. Harsh Thakkar; Mohnish Dubey; **Gezim Sejdiu** ; Axel-Cyrille Ngonga Ngomo; Jeremy Debattista; Christoph Lange; Jens Lehmann; Sören Auer; and Maria-Esther Vidal, "LITMUS: An Open Extensible Framework for Benchmarking RDF Data Management Solutions," , 2016.

24. Lule Ahmedi; Lavdim Halilaj; **Gezim Sejdiu** ; and Labinot Bajraktari, "Ranking Authors on the Web: A Semantic AuthorRank," in Social Networks: Analysis and Case Studies, Gündüz-Öugüdücü and A. Etaner-Uyar, Eds., Vienna: Springer Vienna, 2014, pp. 19-40.

25. **Gezim Sejdiu** , "Semantic Ranking of Web Pages : The Wikipedia Case Study," Master Thesis, University of Prishtina, Kosova, 2014.