

Kamal Eyubov

Curriculum Vitae

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Education

- 2023 – now **M.Sc. Informatics**,
Technical University of Munich, Germany, 1.5
Supervisor: Prof. Dr. Viktor Leis, Thesis: Optimizing the Performance of Scalable Distributed Hypergraph Processing Systems with Partitioning
- 2018 – 2023 **B.Sc. Applied Computer Science**,
Ruprecht Karl University of Heidelberg, Germany, 1.5
Supervisor: Prof. Dr. Christian Schulz, Thesis: Experimental Evaluation of Algorithms for Streaming Hypergraph Partitioning,
FREIGHT: Fast Streaming Hypergraph Partitioning based on this thesis went on to receive the Best Paper Award at SEA 2023.
- 2016 – 2018 **B.Sc. Computer Science**,
French-Azerbaijani University, Azerbaijan
Website: www.ufaz.az

Publications

- 2025 **FREIGHT: Fast Streaming Hypergraph Partitioning**,
Kamal Eyubov, Marcelo Fonseca Faraj, and Christian Schulz,
Presented: SEA 2023. 21st Symposium on Experimental Algorithms in Barcelona
Published: *Algorithmica* 87, 405–428 (2025), <https://doi.org/10.1007/s00453-024-01291-8>

Honors and Awards

- 2023 **Best Paper Award**,
21st Symposium on Experimental Algorithms (SEA 2023), Spain
- 2015 **Member of the National Team of Azerbaijan**,
2015 International Olympiad in Informatics (IOI 2015), Kazakhstan
- 2015 **Third Place**, *2015 Republican Olympiad in Informatics, Azerbaijan*
- 2014 **Third Place**, *2014 Republican Olympiad in Informatics, Azerbaijan*

Work Experience

- 2023 – now **Working Student at SAP SE**
Development of an internal tool for managing released application data in .NET
Optimization of its CD/CI pipeline on Azure DevOps
Setting up its testing on Azure and GitHub
- 2019 – 2020 **Intern at SAP SE**
Development of a video-conferencing web-application with WebRTC

Skills and Knowledge

Programming languages: C, C++, C#, Python, Rust, Java
Markup languages: LaTeX, HTML
Parallel programming: OpenMPI, OpenMP
Data analysis: Numpy, Pandas, Matplotlib
Machine learning: PyTorch
Operating systems: Linux, Windows
Cloud development: AWS, Azure, Docker
Web-development: ASP.NET, IIS
Other: Database implementation, Network protocols, IT Security,
Computer architecture, Natural language processing

Languages

Azerbaijani native
Russian native
English fluent
German fluent

References

Prof. Dr. Hans-Arno Jacobsen Head of the Middleware Systems Research Group
University of Toronto
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Prof. Dr. Christian Schulz Head of the Algorithm Engineering Group
University of Heidelberg
christian.schulz@informatik.uni-heidelberg.de
Prof. Dr. Ruben Mayer Head of Chair for Data Systems
University of Bayreuth
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Dr. Nikolai Merkel Postdoc at Database Systems and Information Management (DIMA)
Technical University of Berlin
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