

Dan GRAUR

PERSONAL DATA

RESIDENCE: Zürich, Switzerland
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REPOSITORIES: [GitHub](#) & [BitBucket](#)
LINKEDIN: [Dan Graur](#)

WORK EXPERIENCE

NOV 2019 - PRESENT	PhD Candidate ETH Zürich, Switzerland Researching Machine Learning Systems within the Systems Group at ETH Zürich. Supervision: Prof. Dr. Gustavo Alonso (main), Prof. Dr. Ana Klimovic (co-supervisor)
JUN 2020 - SEP 2020	Software Engineering Intern Google Brain, Switzerland Worked in the Flax team where I implemented RetinaNet as an Object Detection model. I worked with Jax, Flax and TensorFlow and the Google Cloud Platform.
APR 2018 - OCT 2019	Software Developer Blockchain Lab, The Netherlands Research and (remote) Software Development on the Open Source : Trustchain and the Tribler ecosystem. Working in the Python programming language.
NOV 2016 - JUL 2017	Student Researcher The Technical University of Cluj-Napoca, Romania Worked in the Knowledge Engineering Group. Worked on novel Machine Learning approaches. Worked with Spark, Hadoop, Zeppelin, and Scala.
JUL 2016 - AUG 2016	Intern Telenav Software, Romania Implemented two new features in C++ for the navigational Scout application, twice the workload that is expected from interns.

EDUCATION

2019 - PRESENT	PhD Student at ETH Zürich, Switzerland PhD Candidate within the Systems Group at ETH Zürich.
2018 - 2019	Exchange and MSc Thesis at ETH Zürich, Switzerland MSC THESIS TOPIC: Distribution Optimization of Large Scale Machine Learning.
2017 - 2019	MSc in Computer Science at Delft University of Technology, The Netherlands Data Science Track MSC THESIS: 9 out of 10 . GPA: 8.5 out of 10 .
2013 - 2017	BSc in Computer Science at The Technical University of Cluj-Napoca, Romania BSC THESIS: 10 out of 10 . GPA: 9.6 out of 10 (3^{rd} out of 120). 240 ECTS

PUBLICATIONS

2021	Graur, D. , Müller I., Proffitt M., Fourny G., Watts G. T., and Alonso G., Evaluating Query Languages and Systems for High-Energy Physics Data , 2022, Proceedings of the VLDB Endowment (preprint)
2021	Graur, D. , Bruno, R. and Alonso, G., Specializing Generic Java Data Structures , 2021, 18th ACM International Conference on Managed Programming Languages & Runtimes
2021	Graur, D. , Aymon, D., Thekkath, C. and Klimovic, A., Machine Learning Input Data Processing as a Service , 2021, Eurosyst Doctoral Workshop 2021
2021	Graur, D. , Bruno, R., Bischoff, J., Rieser, M., Scherr, W., Hoefler, T. and Alonso, G., Hermes: Enabling efficient large-scale simulation in MATSim , 2021, Procedia Computer Science, 184, pp.635-641.

2019	Rellermeyer J. S., Khorasani S. O., Graur D. and Parthasarathy A., <i>The Coming Age of Pervasive Data Processing</i> , 2019, 18th International Symposium on Parallel and Distributed Computing (ISPDC), Amsterdam, 2019
2018	Graur D. , Maris R. A., Potolea R., Dinsoreanu M. and Lemnaru C., <i>Complex Localization in the Multiple Instance Learning Context</i> , 2018, New Frontiers in Mining Complex Patterns. Springer International Publishing, Cham, 93–106

AWARDS AND HONORS

FEB 2019 - JUL 2019	IDEA League Research Grant Research grant awarded for promising projects developed within the IDEA League.
SEP 2017 - AUG 2019	Excellence Scholarship from Delft University of Technology Two year scholarship awarded to academically excellent students.
2013 - 2017	Merit Scholarship from The Technical University of Cluj-Napoca Best possible scholarship awarded based on the academic excellence.

COMPUTER SKILLS

Languages:	PYTHON, JAVA, C/C++
Topics:	Distributed and Large Scale Systems, Machine Learning, Deep Learning
Operating Systems:	Linux, Windows, macOS

LANGUAGES

ENGLISH:	Proficient (C2) - 2012 Cambridge Certificate in Advanced English - Grade A
GERMAN:	Intermediate (B1)
FRENCH:	Intermediate (B1)
ROMANIAN:	Native