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Scholar https://scholar.google.com/citations?user=XB99pR4AAAAJ

Summary

- **15y** experience in ML/DL/GenAI (**7y** as a postdoc/researcher, **8y** as an asst./assoc. professor, **4y** experience working in and for industry)
- **8y** experience as a (co-)leader (**3y** industry, **5y** academia)
- cutting-edge research on ML/DL/GenAI (**1** book, over **50** conference & journal papers)
- experienced project manager and PI ($\sim$**1 700 000** € in grants)
- experienced project developer of ML/DL/GenAI methods (**2** patents & **1** patent application)

Work Experience

Feb 2023 - now **Eindhoven University of Technology** (TU/e), the Netherlands (**academia**)
Associate Professor & head of "Generative AI" group

Role: The head of the Generative AI group carrying out research on deep generative modeling, deep learning, and machine learning with applications to computer vision (image processing, medical imaging, neural compression), foundation models, biology, chemistry, biochemistry; involved in project management (KPIs and goals formulation, supervision & mentoring of Ph.D. students, M.Sc. students, and B.Sc. students), project development (models/algorithms implementation: Python & PyTorch & scikit-learn, version control using Git), grant writing, scientific writing; coordinating & teaching courses (”Generative AI Models”); selecting committees and MSC coordinator

Oct 2022 - now **Amsterdam AI Solutions**, the Netherlands (**industry**)
Founder

Role: founder, Generative AI Solutions Architect, ModelOps (developing, managing, deploying & integrating, and monitoring ML/AI models), MLOps, AIOps, applications in computer vision, Life Sciences, quantitative finance, among others
Success stories: NatInLab (development of an AI platform for automatic drug discovery), DeepFlare (development of a deep-learning-based method for biological activity prediction), ALM Services (development of Generative AI tools for data representation & augmentation), Alphamoon (coaching on AI), xLab (Development of Large Language Models for quantitative finance), Microtrac (Verder Group; applications of AI to particle characterization), Negotiagent (Head of AI; GenAI for negotiating agents), SynergyAI (GenAI for quantitative finance)

Mar 2022 - now **NatInLab**, the Netherlands (**industry**)
Generative AI Solution Architect

Role: designing and developing a Generative AI platform for drug discovery; involvement in project management and development (agile software development/management, version control using Git, goals formulation, models/algorithms implementation: Python & PyTorch & Scikit-Learn & RD-Kit)

Nov 2019 - Feb 2023 **Vrije Universiteit Amsterdam** (VU Amsterdam), the Netherlands (**academia**)
Assistant Professor

Role: carrying out research on deep generative modeling, deep learning, machine learning, and derivative-free optimization, applications to computer vision (image processing, medical imaging, neural compression), robotics, Life Sciences; involved in project management (KPIs and goals formulation, supervision & mentoring: 7 Ph.D. students, 24 M.Sc. students, 10 B.Sc. students), project development (models/algorithms implementation: Python & PyTorch & scikit-learn, version control using Git), grants writing, scientific writing (1 book, multiple articles); departmental roles: admission & pre-master coordinator, selecting committees; coordinating & teaching courses (”Deep Learning”, ”Computational Intelligence”)

Oct 2018 - Dec 2019 **Qualcomm AI Research**, Amsterdam, the Netherlands (**industry**)
Deep Learning Scientist (Staff Engineer)

Role: working on AI (video compression, Bayesian optimization, deep learning); involvement in hiring processes, being a mentor for interns, co-leading a team, project management and development (scrum, agile software development/management, models/algorithms implementation: Python & PyTorch, version control using Git, Docker, AWS, cluster computing, KPIs and goals formulation); scientific writing (multiple articles); guest lecturing (1 course)

Oct 2016 - Sept 2018 **Universiteit van Amsterdam** (UvA), the Netherlands (**academia**)
Principal Investigator/Marie Sklodowska-Curie Individual Fellow, advisor: Prof. Max Welling

Role: carrying out research on deep generative modeling, deep learning and machine learning for computer vision (image processing and medical imaging); involvement in project management (KPIs and goals formulation, supervision & mentoring: 1 Ph.D. student, 5 M.Sc. students), project development (models/algorithms implementation: Python & Keras & Tensorflow & PyTorch, version control using Git), grant writing, scientific writing (multiple articles); guest lecturing (2 courses)

Feb 2016 - Jun 2016 **INDATA SA**, Poland (**industry**)
Researcher (part-time)

Role: conducting research on developing deep learning models based on graph convolutions for virtual screening in drug discovery (ligand-protein interactions); involvement in project management and development (agile software development/management, version control using Git, goals formulation, models/algorithms implementation: Python & Tensorflow & RD-Kit)

Oct 2014 - Sept 2016 **Wroclaw University of Technology**, Poland (**academia**)
Assistant Professor

Role: carrying out research on deep generative modeling, DL and ML (ensemble learning, SVM, decision trees, decision rules) with applications to computer vision (image processing, human motion tracking), biology and medicine; involvement in project management (KPIs and goals formulation, supervision & mentoring: 1 Ph.D. student, 3 M.Sc. students, 6 B.Sc. students), project development (models/algorithms implementation: Python & Theano & Tensorflow & scikit-learn, version control using Git), grant writing, scientific writing (multiple articles); organization of a scientific group; coordinating and teaching multiple courses

Oct 2012 - Sept 2014 **Wroclaw University of Technology**, Poland (**academia**)
Postdoc, supervision: Prof. Jerzy Swiątek

Role: carrying out research on deep generative modeling (Boltzmann machines), deep learning and machine learning (ensemble learning, decision trees, decision rules, SVM) with applications to computer vision (image processing) and medicine; involvement in project management (KPIs and goals formulation, supervision & mentoring: 4 B.Sc. students), project development (models/algorithms implementation: Python & Theano & scikit-learn, Matlab, version control using Git), grant writing, scientific writing (multiple articles); teaching multiple courses; consulting for **TK Telekom sp. z o.o.** (Sept 2012 - Dec 2012): teleinformatics, business processes analysis and knowledge graph creation; consulting for **Pol-Miedz Trans sp. z o.o.** (Nov 2013 - Dec 2014): developing search algorithms for Service Oriented Architectures (SOA) in logistics using rough sets and Boltzmann machines & involvement in project management and development (agile software development/management, version control using Git, goals formulation, algorithms implementation in Matlab)

Jun 2009 - Sept 2012 **Wroclaw University of Technology**, Poland (**academia**)
Ph.D. student / Research Assistant, supervision: Prof. Jerzy Swiątek

Role: carrying out research on developing algorithms of incremental learning for logic-based representations (adaptive algorithms, change detection, applications: diabetes, teleinformatics), and working on machine learning projects (Gaussian Processes, ensemble learning, SVM, imbalanced data for credit scoring and medicine); involvement in scientific writing (multiple articles), project management and development (algorithms implementation in Matlab and a Java library Weka, goals formulation); teaching and TAing multiple courses

EDUCATION

Mar 2013 **Ph.D. in Computer Science (*with honors*), track: Machine Learning**
Wroclaw University of Technology, Poland

Title: Incremental Knowledge Extraction from Data for Non-Stationary Objects
Supervisor: Prof. Jerzy Swiątek

Dec 2009 **M.Sc. in computer science**
Double Diploma Program, Blekinge Institute of Technology, Sweden

Supervisor: Prof. Ludwik Kuzniarz

Jul 2009 **M.Sc. in computer science**
5-year M.Sc. program with integrated B.Sc. (B.Eng.), Grade: 5.0 (US equivalent: A/A+)
Wroclaw University of Technology, Poland

Supervisor: Prof. Jerzy Swiątek

MANAGERIAL ROLES (INDUSTRY)

2023-now **Head of AI**, Negotiagent

2022-now **Generative AI Solutions Architect**, NatInLab

2018-2019 **Technical co-lead**, Qualcomm AI Research

MANAGERIAL ROLES (ACADEMIC)

2023-now **Group leader**, Generative AI group, TU/e

2023-now **The M.Sc. program cluster coordinator**, TU/e

2023-2024 **Assessment committee**, NGF AiNed Fellowship Grants, NWO

2019-2023 **Group co-lead**, Computational Intelligence Group, VU Amsterdam

2019-2023 **The M.Sc. AI program admission coordinator**, VU Amsterdam

2019-2021 **The pre-master AI program coordinator**, VU Amsterdam

2012-2016 **Group coordinator**, Modeling and Machine Learning group, Wroclaw Univ. of Technology

GRANTS

2024-2028 **Co-Principal Investigator**, TU/e-ASML, KPAI (RVO Impuls program), **1 198 778€**

2024-2025 **Participant**, consortium grant, REMODEL (HORIZON-MSCA-2022-SE-01), **473 800 €**

2022-2025 **Principal Investigator**, Qualcomm Individual Grant, **280 000 €**

2022-2023 **Principal Investigator**, Network Institute (VU Amsterdam), **10 000 €**

2020-2029 **Researcher**, Dutch Research Council (NWO: Zwaartekracht Programma), **20 000 000 €**

2016-2018 **Principal Investigator**, Marie Sklodowska-Curie Individual Fellowship (EU), **177 599 €**

2016 **Researcher**, NCR&D (Poland), **7 909 741 PLN**

2013-2015 **Researcher**, NCR&D (Poland & EU), **10 672 218 PLN**

2009-2013 **Researcher**, NCR&D (Poland & EU), **36 000 000 PLN**

2012-2016 **Principal Investigator**, individual grants four times, approx. **10 000 €**

AWARDS & MEMBERSHIPS

2023-now **Eindhoven Artificial Intelligence Systems Institute (EAISI) member**

2023 Transactions of Machine Learning Research (TMLR) **Expert Reviewers recognition**

2021-now **European Laboratory for Learning and Intelligent Systems (ELLIS) member**

2019 Highest scoring reviewer (**top 400**) at NeurIPS 2019

2018-now **Oral presentations**: CVPR 2020, MIDL 2020, UAI 2018 (x2), AISTATS 2018 & 2024

2013 The Faculty award for **best Ph.D. theses**, Wroclaw University of Technology

2009 **The best M.Sc. thesis in Poland**, Polish Information Processing Society

SUPERVISION

Ph.D.

Accomplished:
- Maximilian Ilse, October 14, 2022, UvA, co-promotor
- Gongjin Lan, December 16, 2020, VU Amsterdam, co-promotor
- Szymon Zareba, December 13, 2016, Wroclaw Univ. of Technology, co-promotor
- Emile van Krieken, January 15, 2025, VU Amsterdam, co-promotor

Ongoing:
- David Romero, defense planned for: summer 2024, VU Amsterdam, co-promotor
- Jie Luo, defense planned for: summer 2024, VU Amsterdam, co-promotor
- Anna Kuzina, defense planned for: spring 2025, VU Amsterdam, co-promotor
- Sharvaree Vandgama, defense planned for: summer 2025, UvA, co-promotor
- Jan Engelmann, defense planned for: fall 2027, Helmholtz Münich, co-promotor
- Haotian Chen, defense planned for: fall 2028, TU/e, promotor
- Mahdi Mehmanchi, defense planned for: spring 2029, TU/e, promotor

M.Sc.

ongoing: 6, Eindhoven University of Technology
Accomplished: 1, Eindhoven University of Technology
Accomplished: 23, Vrije Universiteit Amsterdam
Accomplished: 5, Universiteit van Amsterdam
Accomplished: 3, Wroclaw Univ. of Technology

B.Sc.

Accomplished: 1, Eindhoven University of Technology
Accomplished: 10, Wroclaw Univ. of Technology

TEACHING

M.Sc.

Generative AI Models: coordinator, TU/e, 2023–2024
Deep Learning: coordinator, VU Amsterdam, 2020–2022
Learning Machines: lecturer, VU Amsterdam, 2020
Deep Learning: invited lecturer, UvA, 2018-2019
Multimedia Systems: invited lecturer, UvA, 2018
Decision Support Systems: teacher, Wroclaw Univ. of Technology, 2012-2016
Artificial Intelligence: teacher, Wroclaw Univ. of Technology, 2010-2012

B.Sc.

Computational Intelligence: coordinator, VU Amsterdam, 2020–2022
Systems Analysis & Decision Making: co-coordinator, Wroclaw Univ. of Technology, 2010-2016
Information Systems in Management: teacher, Wroclaw Univ. of Technology, 2010
Operation Systems: teacher, Wroclaw Univ. of Technology, 2010

TEACHING QUALIFICATIONS

2021 **Basiskwalificatie Onderwijs (BKO)**: the Netherlands

2015 **Didactic Course for Academic Staff**: Poland

SELECTED SCIENTIFIC SERVICES

- **Conferences**

Program Chair **NeurIPS**: 2024

Area Chair **NeurIPS**: 2021, 2022, 2023, **ICML**: 2023, **UAI**: 2023, **AISTATS**: 2022, 2023

Reviewer **NeurIPS**: 2018, 2019, 2020, **ICML**: 2019, 2020, 2021, 2022, **ICLR**: 2019, 2020, 2021, 2022, **AISTATS**: 2019, 2020, 2021, **UAI**: 2021, 2022, **MIDL**: 2018, **workshops** (ICML, NeurIPS, CVPR)

Secretary **Int. Conf. on Systems Science 2013**: Wroclaw, Poland,
National Automation Conference 2014: Wroclaw, Poland
Int. Conf. on Systems Science 2016: Wroclaw, Poland

- **Journals**

Editor Transactions of Machine Learning Research (Action Editor)

Reviewer Nature Communications, IEEE Trans. on Pattern Analysis and Machine Intelligence, Journal of Machine Learning Research, Transactions of Machine Learning Research, Bioinformatics, Medical Image Analysis, Expert Systems with Applications, IEEE Transactions on Neural Systems & Rehabilitation Engineering, Knowledge-Based Systems, IEEE J. of Biomedical and Health Informatics, European Journal of Operation Research, Neural Processing Letters, BMC Bioinformatics

- **Other**

Examiner Ph.D. examiner: **13** times ($2\times$ TU Eindhoven, TU Delft, $4\times$ Univ. of Amsterdam, Univ. of Geneva, Univ. of Liege, Surrey Univ., $2\times$ Oxford Univ., Univ. of Madrid)

Organizer summer school: Generative Modeling Summer School, Eindhoven, June 23-28, 2024
Generative Modeling Summer School, Copenhagen, June 26-30, 2023

Invited talks **8** conferences/workshops: UAI 2023 workshop, Deep Learning Extravaganza at the UvA 2023, AI&Health at VU 2022, SPP 2021, GenU 2021, INNF 2019, ML in PL 2019, PASC 2018
8 academic events: BioSB HotTopics 2024, 4TU 2024, TII AI 2022, CMS-CERN 2022, AI4Science (UvA) 2021, CERN 2018, CWI Life Sciences 2018, TU/e DM 2017
7 industrial events: Amsterdam AI Meetup 2024, AI in Industry 2024, AI Innovation Center 2023, Qualcomm 2022, Booking.com 2021, Vinted 2021, Tooploox 2018
7 summer/winter schools: Generative Modeling Summer School 2023 (**organizer**), Indian CV & ML Summer School 2022, AI TECH 2022, beIT 2021, Nepal Winter School in AI 2021, AwesomeIT Amsterdam 2019, Croatian Data Science Summer School 2018

PUBLICATIONS

- **Book**

1. J.M. Tomczak, "Deep Generative Modeling", Springer, Cham, 2022 (**The first comprehensive book on Generative AI**)

■ Conference articles

1. J.P. Engelmann, A. Palma, J.M. Tomczak, F.J. Theis, F.P. Casale, *Attention-based Multi-instance Mixed Models*, AISTATS 2024 (**oral**)

2. E. van Krieken, T. Thanapalasingam, J.M. Tomczak, F. Van Harmelen, A. Ten Teije, *A-NESI: A scalable approximate method for probabilistic neurosymbolic inference*, NeurIPS 2023

3. K. Deja, T. Trzcinski, J.M. Tomczak, *Learning Data Representations with Joint Diffusion Models*, ECML 2023

4. D, Knigge, D. Romero, A. Gu, E. Gavves, E. Bekkers, J.M. Tomczak, M. Hoogendoorn, J.-J. Sonke, *Modelling Long Range Dependencies in N-D: From Task-Specific to a General Purpose CNN*, ICLR 2023

5. A. Kuzina, M. Welling, J.M. Tomczak, *On Alleviating Adversarial Attacks on Variational Autoencoders with MCMC*, NeurIPS 2022

6. K. Deja, A. Kuzina, T. Trzcinski, J.M. Tomczak, *On Analyzing Generative and Denoising Capabilities of Diffusion-based Deep Generative Models*, NeurIPS 2022

7. D.W. Romero, R.-J. Bruintjes, J.M. Tomczak, E.J. Bekkers, M. Hoogendoorn, J. van Gemert, *Flexconv: Continuous kernel convolutions with differentiable kernel sizes*, ICLR 2022

8. D.W. Romero, A. Kuzina, E.J. Bekkers, J.M. Tomczak, M. Hoogendoorn, *CKCONV: Continuous kernel convolution for sequential data*, ICLR 2022

9. E. Krieken, J.M. Tomczak, A. ten Teije, *Storchastic: A Framework for General Stochastic Automatic Differentiation*, NeurIPS 2021

10. Y. Perugachi-Diaz, J.M. Tomczak, S. Bhulai, *Invertible DenseNets with concatenated Lipswish*, NeurIPS 2021

11. M. Ilse, J.M. Tomczak, P. Forré, *Selecting data augmentation for simulating interventions*, ICML 2021

12. D.W. Romero, E.J. Bekkers, J.M. Tomczak, M. Hoogendoorn, *Attentive group equivariant convolutional networks*, ICML 2020

13. E. Hoogeboom, V. Garcia Satorras, J.M. Tomczak, M. Welling, *The convolution exponential and generalized Sylvester flows*, NeurIPS 2020

14. J.M. Tomczak, E. Weglarz-Tomczak, A.E. Eiben, *Differential evolution with reversible linear transformations*, GECCO 2020

15. M. Ilse, J.M. Tomczak, C. Louizos, M. Welling, *DIVA: Domain invariant variational autoencoders*, MIDL 2020 (**oral**)

16. D. Abati, J.M. Tomczak, T. Blankevoort, S. Calderara, R. Cucchiara, B. Ehteshami Bejnordi, *Conditional Channel Gated Networks for Task-Aware Continual Learning*, CVPR 2020 (**oral**)

17. I. Gatopoulos, R. Lepert, A. Wiggers, G. Mariani, J.M. Tomczak, *Evolutionary Algorithm with Non-parametric Surrogate Model for Tensor Program Optimization*, IEEE CEC 2020

18. CY. Oh, J.M. Tomczak, E. Gavves, M. Welling, *Combinatorial Bayesian Optimization using the Graph Cartesian Product*, NeurIPS 2019

19. A. Habibian, T. van Rozendaal, J.M. Tomczak, T.S. Cohen, *Video compression with rate-distortion autoencoders*, ICCV 2019

20. T. Davidson, L. Falorsi, N. de Cao, T. Kipf, J.M. Tomczak, *Hyperspherical Variational Auto-Encoders*, UAI 2018 (**oral**)

21. R. van den Berg, L. Hasenclever, J.M. Tomczak, M. Welling, Sylvester Normalizing Flow for Variational Inference, UAI 2018 (**oral**)

22. M. Ilse*, J.M. Tomczak*, M. Welling, *Attention-based Deep Multiple Instance Learning*, ICML 2018

23. J.M. Tomczak, M. Welling, *VAE with a VampPrior*, AISTATS 2018 (**oral**)

24. J.M. Tomczak, M. Welling, *Improving Variational Auto-Encoders using convex combination linear Inverse Autoregressive Flow*, Benelearn 2017 2017

25. J.M. Tomczak, M.Welling, *Improving Variational Auto-Encoders using Householder Flow*, NIPS Workshop on Bayesian Deep Learning 2016

- **Journal articles**

1. J. Luo, K. Miras, J.M. Tomczak, A.E. Eiben, *Enhancing robot evolution through Lamarckian principles*, Scientific Reports 13 (1), 2023

2. J. Luo, A. Stuurman, J.M. Tomczak, J. Ellers, A.E. Eiben, *The Effects of Learning in Morphologically Evolving Robot Systems*, Frontiers in Robotics and AI, 2022

3. F. Lavitt, D.J. Rijlaarsdam, D. vd Linden, E. Weglarz-Tomczak, J.M.Tomczak, *Deep learning and transfer learning for automatic cell counting in microscope images of human cancer cell lines*, Applied Sciences, 2021

4. G. Lan, J.M. Tomczak, D.M. Roijers, A.E. Eiben., *Time efficiency in optimization with a Bayesian-evolutionary algorithm*, Swarm and Evolutionary Computation, 2022

5. G. Lan, M. van Hooft, M. De Carlo, J.M.Tomczak, A.E. Eiben, *Learning locomotion skills in evolvable robots*, Neurocomputing, 2021

6. Y. Perugachi-Diaz, J.M. Tomczak, S. Bhulai, *Deep learning for white cabbage seedling prediction*, Computers and Electronics in Agriculture, 2021

7. E. Weglarz-Tomczak, J.M. Tomczak, M. Talma, M. Burda-Grabowska, M. Giurg, S. Brul, *Identification of ebselen and its analogues as potent covalent inhibitors of papain-like protease from SARS-CoV-2*, Scientific Reports, 2021

8. I.A. Auzina, J.M. Tomczak, *Approximate Bayesian computation for discrete spaces*, Entropy, 2021

9. I. Gatopoulos, J.M. Tomczak, *Self-supervised variational auto-encoders*, Entropy, 2021

10. E. Weglarz-Tomczak, J.M. Tomczak, S. Brul, *M2R: a Python add-on to cobrapy for modifying human genome-scale metabolic reconstruction using the gut microbiota models*, Bioinformatics, 2021

11. E. Weglarz-Tomczak, D.J. Rijlaarsdam, J.M. Tomczak, S. Brul, *GEM-based metabolic profiling for Human Bone Osteosarcoma under different glucose and glutamine availability*, International Journal of Molecular Sciences, 2021

12. E. Weglarz-Tomczak, J.M. Tomczak, A.E. Eiben, S. Brul, *Population-Based Parameter Identification for Dynamical Models of Biological Networks with an Application to Saccharomyces cerevisiae*, Processes, 2021

13. J.M. Tomczak, E. Weglarz-Tomczak, *Estimating kinetic constants in the MichaelisMenten model from one enzymatic assay using Approximate Bayesian Computation*, FEBS Letters, 2019

14. J.M. Tomczak, S. Zareba, S. Ravanbakhsh, R. Greiner, *Low-Dimensional Perturb-and-MAP Approach for Learning Restricted Boltzmann Machines*, Neural Processing Letters, 2017

15. M. Drewniak, E. Weglarz-Tomczak, K. Ozga, E. Rudzinska-Szostak, K. Macegoniuk, J.M. Tomczak, M. Bejger, W. Rypniewski, L. Berlicki, *Helix-loop-helix peptide foldamers and their use in the construction of hydrolase mimetics*, Bioorganic Chemistry, 2018

16. A. Gonczarek, J.M. Tomczak, S. Zareba, J. Kaczmar, P. Dabrowski, M. Walczak, *Interaction prediction in structure-based virtual screening using deep learning*, Computers in Biology and Medicine, 2017

17. M. Zieba, S. Tomczak, J.M. Tomczak, *Ensemble Boosted Trees with Synthetic Features Generation in Application to Bankruptcy Prediction*, Expert Systems with Applications, Vol. 58, pp. 593–101, 2016

18. J.M. Tomczak, *On some properties of the low-dimensional Gumbel perturbations in the Perturb-and-MAP model*, Statistics and Probability Letters, 2016

19. J.M. Tomczak, A. Gonczarek, *Learning invariant features using Subspace Restricted Boltzmann Machine*, Neural Processing Letters, 2016

20. A. Gonczarek, J.M. Tomczak, *Articulated tracking with manifold regularized particle filter*, Machine Vision and Applications, 2016

21. J.M. Tomczak, *Learning Informative Features from Restricted Boltzmann Machines*, Neural Processing Letters, 2016

22. J.M. Tomczak, M. Zieba, *Probabilistic combination of classification rules and its application to medical diagnosis*, Machine Learning, 2015

23. J.M. Tomczak, M. Zieba, *Classification Restricted Boltzmann Machine for comprehensible credit scoring model*, Expert Systems with Applications, 2015

24. M. Zieba, J.M. Tomczak, *Boosted SVM with active learning strategy for imbalanced data*, Soft Computing, 2014

25. M. Zieba, J.M. Tomczak, J. Swiatek, M. Lubicz, *Boosted SVM for extracting rules from imbalanced data in application to prediction of the post-operative life expectancy in the lung cancer patients*, Applied Soft Computing, 2014

26. J.M. Tomczak, A. Gonczarek, *Decision rules extraction from data stream in the presence of changing context for diabetes treatment*, Knowledge and Information Systems, 2013

PATENTS & PATENT APPLICATIONS

1. Emiel Hoogeboom, Jakub M. Tomczak, Max Welling, Dan Zhang, Device for and computer-implemented method of digital signal processing, US Patent US11823302B2

2. Changyong Oh, Efstratios Gavves, Jakub M. Tomczak, Max Welling, Combinatorial bayesian optimization using a graph cartesian product, US Patent US11842279B2

3. Davide Abati, Babak Ehteshami Bejnordi, Jakub M. Tomczak, Tijmen P.F. Blankevoort, Conditional Computation For Continual Learning, US Patent App. 17/097,811

REFEREES

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