Curriculum vitae

Personal information

First name, Surname:	Michael Alexander Riegler		
Date of birth:	18.09.1984	Sex:	M
Nationality:	Austrian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	https://scholar.google.com/citations?user=Vd_ApDoAAAAJ&hl=en		
URL for personal website:	https://www.simula.no/people/michael & https://kelkalot.github.io		
Languages	German (native), English (full professional), Norwegian (full professional)		

Education

Year	Faculty/department - University/institution - Country
2017 (dissertation defended)	Dr. Scient (Ph.D.), Department of Informatics, University of Oslo, NO (submitted 12 months ahead of schedule)
2014	Magister (Mag.), Department of Informatics and Department of Economics, University of Klagenfurt, AT

Positions - current and previous

Year	Job title – Employer - Country
2024-	Head of AI strategy, SimulaMet - Simula Metropolitan Center for Digital Engineering, NO
2019-	Chief Research Scientist, SimulaMet - Simula Metropolitan Center for Digital Engineering, NO
2023-	Professor, OsloMet - Oslo Metropolitan University, NO
2019-2024	Adjunct Associate Professor, University of Tromsø, NO
2023-2024	Deputy Head of Department Holistic Systems, SimulaMet - Simula Metropolitan Center for Digital Engineering, NO
2019-2020	Adjunct Associate Professor, Kristiania University College, NO
2018-2019	Senior Research Scientist, SimulaMet- Simula Metropolitan Center for Digital Engineering, NO
2017-2018	Research Scientist, Simula Research Laboratory, NO

2014-2017	PhD Student, Simula Research Laboratory, NO

Career breaks

Year	Reason
2020	Parental leave second child (5 month)
2017	Parental leave first child (6 month)

Project management experience

Year	Project owner - Project - Role - Funder
2021-2025	ILMA - Interview training of child-welfare and law-enforcement professionals interviewing maltreated children supported via artificial avatars (WP leader, RCN Fripro, 12MNOK)
2021-2023	AIDirector - Automatic sport video editing using AI (Project leader, RCN Innovation project, 4MNOK)
2022-2023	GastroNet - Building an Imagenet like dataset for gastroenterology (Project leader, American society of gastroenterology, 70K USD)
2018-2020	AutoCap - Automatic Anomaly Detection in Video Capsule Endoscopy (WP leader, RCN BIA, 12MNOK)
2019-2024	ReproAI - Improved assisted human reproduction technology using AI (WP leader, RCN FRIMEDBIO, 12MNOK)
2017-2019	INTROMAT - INTROducing Mental health through Adaptive Technology (Researcher, RCN Lighthouse, 72MNOK)
2017-2020	PRIVATON - Protecting Shared Data with Privacy Automatons (Researcher, RCN, 12MNOK)
2014-2017	EONS - Efficient Execution of Large Workloads on Elastic Resources (Researcher, RCN FRINATEK, 12MNOK)
2018	GastroEye - GI video capsule analysis (Researcher, Italian, 700KNOK)
2016	DigSys - Non-Invasive, Scalable Automatic Screening of the GI System (Researcher, RCN pre-project, 500KNOK)

Start-ups and industry experience

Year	Description - Role
2023-	Innsikt.ai – Development of AI avatars for professional training – Chief Innovation Officer, Co-founder
2024-	Newcode.ai – AI platform for legal professionals – Advisory Board Member, AI
2018-	Augere.md – Building advanced AI models for colonoscopy, CE mark obtained in 2024 – Scientific advisor, Co-founder
2019	Smittestopp – App for contact tracing – Lead machine learning implementation for app

Supervision of students

Master's students	Ph.D. students	University/institution - Country
65	14	University of Oslo, Norway OsloMet, Norway University of Tromsø, Norway University of Trento, Italy 2 PhDs finished as main and 6 as co-supervisor

Other relevant professional experiences

Year	Description - Role
2023-2024	Guest editor Nature Scientific Reports Collection on AI alignment
2022-	Editor, Nature Scientific Reports
2023-2024	Expert group member on generative artificial intelligence, The Norwegian Board of Technology, NO, Report: https://teknologiradet.no/publication/generativ-kunstig-intelligens-i-norge/
2017-2022	Expert group member on artificial intelligence in health, The Norwegian Board of Technology, NO, Report: https://media.wpd.digital/teknologiradet/uploads/2018/09/Rapport-Kunstig-intelligens-og-maskinlaering-til-nett.pdf & https://media.wpd.digital/teknologiradet/uploads/2022/02/Kunstig-intelligens-i-klinikken.pdf
2022	Research Proposal reviewer, Irish research council, IRL
2021-	SimulaMet Employee Representative board member, SimulaMet, NO
2019-	OsloMet AI lab board member, OsloMet, NO
2019-2023	Member of the Academy of Norway, Akademiet for yngre forskere
2014-	ACM and IEEE member

Additional information

My interests include machine learning, artificial intelligence (AI), and applied AI with a focus on transparent and trustworthy AI systems and metrics. My experience covers machine learning with a focus on deep learning, open data, reproducibility, explainability, and transparent systems for biomedical and social applications, along with multimodal data analysis. I am particularly passionate about ensuring that AI's integration into society is both technically effective and ethically sound, contributing to the development of systems that are explainable and aligned with societal needs.

Throughout my career, I have prioritized the real-world impact of my research. Several projects I contributed to became start-ups or evolved into patents. My work on ReproAI and AutoCap directly improved diagnostic capabilities in healthcare, while the ILMA project leveraged AI to assist law enforcement in training professionals, ensuring the technology was applied thoughtfully and empathetically.

*Additionally, I have collaborated extensively with the public sector, working closely with organizations such as the **Norwegian Board of Technology**. As part of expert groups on AI in healthcare and generative AI, I contributed to national reports that shape how AI is understood and implemented in Norway. This work focused on providing recommendations for the ethical and safe integration of AI into critical sectors, from healthcare to law enforcement, helping ensure that emerging technologies are implemented in ways that benefit society while addressing risks related to privacy, fairness, and transparency.*

In addition to my scientific work, I am active in research outreach, open science, and promoting accessible datasets (www.datasets.simula.no, https://multimediaeval.github.io/). I've organized and published several openly available datasets and contributed to public dissemination of research through articles in international media. These efforts reflect my dedication to ensuring that AI advances not only in laboratories but also in how society benefits from and interacts with these technologies.

	Fellowships, awards
2024 2023	Included in Stanford University's list of top-cited 2% scientists, https://topresearcherslist.com/Home/Profile/900344
2022	Nominee for the AI influencer of the Year Award, Hyperight AB
2019	One of the five ESHRE 2019 most promising researchers (ESRHE Young Ambassador), European Society of Human Reproduction and Embryology
2018	Researcher of the Year of Simula Research Laboratory, Simula Research Laboratory
2018	IEEE ISM 2018 Best paper award
2018	MediaEval 2018 Distinctive Mention award
2018	IEEE CBMS 2018 Best paper award
2018	One of four Rising Stars/Leaders in the multimedia research community, ACM SIGMM
2017	TEWI Hall of fame – Award from University of Klagenfurt for most successful alumni
2014	Award for best performing student 2012/2013 from the Faculty of Management and Economics at the University of Klagenfurt
2014	Scholarship from Klagenfurt University for extraordinary study achievements
2013	Scholarship from Klagenfurt University for extraordinary study achievements
2013	Excellence Scholarship Industrialists' association Carinthia (Exzellenzstipendium der Industriellenvereinigung Kärnten)
2012	Scholarship from Klagenfurt University for extraordinary study achievements

Patents

ESPELAND HN, Riegler MA, inventors; Augere Medical As, assignee. Method for real-time detection of objects, structures or patterns in a video, an associated system and an associated computer readable medium. United States patent Application US 17/620,639. 2022 Sep 22.