

# Dr. André N. Meyer-Baron

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I am a software engineering researcher, lecturer and practitioner with a particular focus on human-centered approaches, advanced software engineering, and generative AI. My work combines teaching and research to improve developer experience, flow, and productivity, with a strong emphasis on real-world impact in industry. I enjoy disseminating knowledge through teaching, mentoring, talks, workshops, and blogging. In my spare time, I enjoy traveling with my wife and daughter, as well as outdoor sports.

## Main Experience

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**SENIOR RESEARCHER & LECTURER**, [Human Aspects of SE Lab](#), Department of Informatics, University of Zurich (UZH)  
01/2024 – present: Oberassistent (100%), 07/2022 – 12/2023: Postdoc (100%), 06/2019 – 06/2022: Postdoc (20%)

- Designing and teaching Bachelor's, Master's and CAS level courses, including the Developer Experience seminar, a CAS course day on Generative AI in SE, and an upcoming major revision of the SE course.
- Supervising 80+ PhD, Bachelor, Master, CAS and seminar students in thesis and project work.
- Acquiring funds (CHF ~325K) for and leading interdisciplinary research projects in software engineering, generative AI, hybrid work, and digital well-being (see list below).
- Designing and leading 10+ international field studies, field experiments or controlled experiments as Principal Investigator (PI) involving hundreds of professional developers, knowledge workers and students.
- Leading and mentoring a team of six research developers, while directly contributing to the design, development, and deployment of applied research tools and interventions.
- Establishing and managing industry and academic partnerships, such as with Microsoft, Logitech, UBS / Credit Suisse, Siemens Healthineers, SwissRE, USZ, and Neon.
- Disseminating research through 10+ peer-reviewed publications at top-tier venues, as well as industry talks, workshops, and blogging.
- Contributing to research community, departmental, and research group service.

**HEAD OF QUALITY MANAGEMENT & REGULATORY AFFAIRS**, [Computer Vision AG](#), 80%, 08/2020 – 06/2022

- Led the definition, implementation and organization-wide training of software design and development processes for an AI-based medical device, ensuring compliance with quality management and regulatory standards. Scope covered the full lifecycle from requirements and data labeling to release management and verification & validation procedures.
- Defined and executed the regulatory strategy and documentation, supporting successful market authorization (FDA Clearance obtained in 01/2025).
- Designed clinical study designs and supported the execution of multiple clinical research studies, including identification and recruitment of clinical partners, and coordinating a scientific publication.
- Member of the leadership team, contributing to strategic, HR, and investor-related decisions.

**DATA SCIENTIST**, Lab32 (side project), 20%, 08/2018 – 12/2025

- Co-led and developed an approach for intra-day photovoltaic power output predictions using artificial neural networks (ANN) and foundation models (TimesFM) that outperforms commercial and open-source solutions.

- Acquired grant (CHF 60K) from Neue Regionalpolitik with partners Meteologix AG, EW Höfe, and GIAG in Kanton Schwyz.

#### **CTO, CO-FOUNDER AND MEMBER OF THE BOARD, OKOMO AG, 100%, 11/2018 – 06/2020**

- Co-founded and scaled a SaaS company for personalized digital interactions in online channels, with several enterprise customers including Ringier, Coop, BMW and Siemens.
- As CTO, led technical teams of software developers and UI/UX specialists in architecture design, implementation and deployment owning the product roadmap.
- Additional involvements included fundraising (CHF ~1.8M), investor relations, and operations.
- Continued contributing as Advisory Board member (07/2020 – 12/2023).

#### **RESEARCH ASSOCIATE AND PHD STUDENT,**

Department of Informatics, University of Zurich (UZH), 100%, 10/2015 – 05/2019

- Authored 10 peer-reviewed publications at top-tier venues and 3 book chapters, drawing on large-scale empirical studies with developers and knowledge workers.
- Contributed to FlowLight, a patented algorithm and physical device that visualizes interruptibility in the office, including 450 participants from 12 different countries, in collaboration with ABB.
- Developed and open-sourced a self-monitoring tool, PersonalAnalytics, that was leveraged to capture data for multiple field studies and interventions with ~1000 participants.
- Internships at Microsoft Research (Bellevue, USA) and visiting research stays at UBC (Vancouver, Canada).
- Assisted in teaching for several courses, including Advanced Software Engineering, and Software Project.
- Supervised 20+ students in theses and project work.

#### **HEAD OF PRODUCT,**

PICTUREX, spin-off project from MIT Cloud Innovation AG, ~40%, 01/2014 – 12/2018

- Led and co-developed Picturex, a secure cloud-based photo-exchange platform for B2C and B2B, delivering multi-platform apps for iOS, Android, Windows and the Web.
- Owned go-to-market strategy and acquired key partners and customers (incl. Swisscom and Tierpark Goldau), driving customer acquisition and long-term adoption.

#### **PROJECT LEAD AND SOFTWARE DEVELOPER,**

MIT Cloud Innovation AG, ~40% (during BSc, MSc and PhD studies), 05/2009 – 08/2018

- Led and co-developed 15+ mobile and web applications that achieved several national and international awards and ~300K downloads.
- Acquired several customer-projects (including for Microsoft Schweiz and ALSO AG), onboarded and trained customers and users on applications, and co-led software development team on selected projects.
- Contributed as Member of the board (01/2015 – 07/2018).

## Other Engagements & Experience

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- **VISITING RESEARCHER & INTERN**, Microsoft Research (Redmond, USA; full-time) 11/2015 – 02/2016, 07/2016 – 08/2016, 01/2018 – 04/2018, and other short stays
- **VISITING RESEARCHER**, University of British Columbia (Vancouver, Canada; full-time) 04/2018 – 11/2018, 06/2023 – 07/2023, and other short stays
- **INNOVATION SCOUT**, Schwyz Next (part-time), 03/2022 – 08/2024 supporting the Kanton Schwyz with spotting innovative and inspiring business ideas.
- **TEACHING ASSISTANT**, Department of Informatics, University of Zurich (part-time), 01/2013 – 10/2015 Software Engineering Project, Introduction into Programming Lecture

## Education

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10/2015 – 05/2019	<b>Doctor of Science in Informatics, PhD</b> (summa cum laude) Thesis: Fostering Software Developer Productivity through Awareness Increase & Goal-Setting Advisors: Prof. Dr. T. Fritz (University of Zurich), Prof. Dr. G. Murphy (University of British Columbia, Canada), Dr. T. Zimmermann (University of California, Irvine, USA), Prof. Dr. Margaret-Anne Storey (University of Victoria, Canada), Prof. Dr. Harald Gall (UZH)	UZH
01/2013 – 10/2015	<b>M.Sc. of Science in Informatics</b> (summa cum laude) Thesis: Personal Analytics: Two Studies on Developers' Perceptions of Productivity	UZH
09/2009 – 01/2013	<b>B.Sc. of Science in Informatics</b> (magna cum laude) Thesis: Happy Coder, Personal Developer Analytics	UZH

## Research Grants

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Awarded CHF 400K+ in competitive research funding as lead proposal author and project lead/PI.

2026	<b>DSI Seed Funding Grant:</b> Grant to run Time2DigiWork study at UZH/ZHAW (CHF 8K).
2025	<b>DSI Seed Funding Grant:</b> Grant to run the SWell study with students at UZH (CHF 5K).
2024	<b>DSI Infrastructure Grant:</b> Grant for developing a UZH infrastructure with PersonalAnalytics (CHF 100K).
2024	<b>DIZH Outreach Grant:</b> Research grant for the MindfulPacer project from DIZH (CHF 50K).
2024	<b>DIZH Founder Grant 2023.1:</b> Grant to create a spin-off of the FlowTeams project from DIZH (CHF 75K).
2023	<b>DSI Seed Funding Grant:</b> Grant to explore building an infrastructure with PersonalAnalytics (CHF 9.7K).
2023	<b>University of Zurich GRC Grant:</b> travel grant for research project at UBC, Vancouver (CHF 1.9K).
2022	<b>NRP Grant:</b> Research grant on improving weather forecasts and photovoltaic predictions using PV-system data from Neue Regionalpolitik, initiative by the Swiss government and Kanton Schwyz (CHF 60K).
2021	<b>DIZH Rapid Action Grant 2021.1:</b> Research grant for FlowTeams project, 27% projects funded (CHF 76K).
2018	<b>SNF Mobility Grant:</b> travel grant for research project at UBC, Vancouver (CHF 22K).
2018	<b>University of Zurich GRC Grant:</b> travel grant for research project at UBC, Vancouver (CHF 3.4K).
2016	<b>Microsoft Research, Intern TopUp Award</b> (USD 10K).

## Scientific Communication

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<b>Publications:</b>	25+ peer-reviewed publications with 1200+ citations (including 3 book chapters) in the areas of Software Engineering, Human Computer Interaction, and MedTech.
<b>Talks:</b>	Delivered 30+ invited talks at (inter-)national conferences, including Mobile World Congress, IBM DeveloperWorks, FSE, ICSE, CHI, CSCW (see <a href="#">details</a> ).
<b>Scientific reviewer:</b>	Reviewer for 30+ review rounds across top-tier journals and conferences, including TSE, TOSEM, CHI, ICSE, FSE, ASE, ICPC, DIS, and CSCW (see <a href="#">details</a> ).
<b>Committee member:</b>	Contributed to 10+ conferences, including FSE, ICPC, ASE, MSR, ISSTA (see <a href="#">details</a> ).
<b>Media:</b>	Research featured in 150+ articles, interviews and podcasts, including the New Yorker, Wall Street Journal, New Scientist, Tages-Anzeiger, Netzwoche, Inside IT, UZH News, Microsoft Developer, Nokia Connect, and Startupticker.
<b>Blog:</b>	Author of accessible, research-based articles translating academic insights for broader audiences; on <a href="#">LinkedIn</a> (300K+ member reach in 2025) and various blogs (650+ subscribers).

# Teaching & Supervision

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Since 2024	<b>Instructor (Lead): Software Developer Experience Seminar</b> , semester course	UZH
Since 2024	<b>Lecturer in Generative AI CAS</b> , full-day workshop on Generative AI in Software Engineering	UZH
Since 2022	<b>Lecturer in Fintech CAS</b> , half-day workshop on Agile	UZH
2023 – 2024	<b>Instructor (Lead): Software Evolution &amp; Developer Productivity Seminar</b> , semester course	UZH
2020	<b>Instructor (Lead): Software Engineering Project</b> , software project course for undergrads	UZH
2016 – 2017	<b>Assistant: Human Aspects of Software Engineering Seminar</b> , semester course	UZH
02/2015 – 07/2015	<b>Teaching Assistant: Software Project</b> , semester course	UZH
09/2013 – 12/2013	<b>Teaching Assistant: Introduction into Programming Lecture</b> , semester course	UZH
Various	<b>Innovathon, Studium Digitale, GymInf, Fachvertretung Gymnasium für Fach Informatik</b>	UZH
Since 2015	<b>Supervision and mentoring of 100+ students</b> on their PhD dissertation, bachelor and master theses, seminar and CAS reports, master projects, and independent studies	UZH

## Selected Publications

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Complete list of 25+ publications available on [www.andre-meyer.ch/research](http://www.andre-meyer.ch/research) and [Google Scholar](https://scholar.google.com/) (1200+ citations).

TSE'26	<b>TaskSnap: One Task at a Time With Snapshots.</b> J. de Souza, R. Egloff, T. Fritz, A. Meyer. <u>Journal Paper.</u>
ICSE'26	<b>TaCoS: Generated Context Summaries for Task Resumption.</b> A. Lill, V. Hollenstein, R. Rutishauser, A. Meyer, T. Fritz. <u>Conference Paper.</u>
DIS'25	<b>'Stick to' Three: Fostering Awareness, Intentions, and Reflections on the Top Daily Tasks.</b> A. Meyer, N. Ahmed, I. Cuber, S. Richner, E. Huang, G. Murphy, T. Fritz. <u>Conference Paper.</u>
CSCW'25	<b>Balancing Focused Work and Collaboration in Hybrid Teams through explicit Planning and Sharing of Work Rhythms.</b> A. N. Meyer, T. Fritz. <u>Conference Paper.</u>
ICSE'24	<b>On the Helpfulness of Answering Developer Questions on Discord with Similar Conversations and Posts from the Past.</b> A. Lill, Andre Meyer, T. Fritz. <u>Conference Paper.</u>
EURASIP'22	<b>Performance of a Deep Convolutional Neural Network for MRI-based Vertebral Body Measurements and Insufficiency Fracture Detection.</b> B. Fritz, A. Meyer, M. Staib, R. Sutter, C. Germann. <u>Journal Paper.</u>
TSE'20	<b>Detecting Developers' Task Switches and Types</b> A. N. Meyer, C. Satterfield, M. Züger, K. Kevic, G. Murphy, T. Zimmermann, T. Fritz. <u>Journal Paper.</u>
TSE'19-1	<b>Enabling Good Work Habits in Software Developers through Reflective Goal-Setting</b> André Meyer, G. Murphy, T. Zimmermann, T. Fritz. <u>Journal Paper.</u>
TSE'19-2	<b>Today was a Good Day: The Daily Life of Software Developers</b> A. N. Meyer, E. Barr, C. Bird, T. Zimmermann. <u>Journal Paper.</u>
CSCW'18	<b>Design Recommendations for Self-Monitoring in the Workplace: Studies in Software Development</b> A. N. Meyer, G. Murphy, T. Zimmermann, T. Fritz. <u>Conference Paper.</u>
ESEM'17	<b>Characterizing Software Developers by Perceptions of Productivity</b> A. N. Meyer, T. Zimmermann, T. Fritz. <u>Industry Track.</u>
CHI'17	<b>Reducing Interruptions at Work: A Large-Scale Field Study of FlowLight</b> M. Züger, C. Corley, A. N. Meyer, B. Li, T. Fritz, D. Shepherd, V. Augustine, P. Francis, N. Kraft and W. Snipes. <u>Conference Paper.</u> Top 5%. Covered in The Telegraph, Wall Street Journal, GeekWire, DigitalTrends, The New Yorker, and 70 more.
TSE'17	<b>The Work Life of Developers: Activities, Switches and Perceived Productivity</b> A. N. Meyer, G. Murphy, T. Zimmermann, Laura Barton, T. Fritz. <u>Journal Paper.</u>
FSE'14	<b>Software Developers' Perceptions of Productivity</b> A. N. Meyer, G. Murphy, T. Zimmermann, T. Fritz. <u>Conference Paper.</u> Best Paper Nominee.

## Selected Software Projects

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Excerpt of selected software projects that I've designed, developed, led and delivered in the past years.

- Since 2025 **AIRbar**: Research-based tool to improve knowledge workers' task completion, attention and focus.
- Since 2022 **FlowTeams**: Research-based soft- and hardware approach to support hybrid-working teams in finding a good balance between focused individual work and teamwork, to improve productivity and well-being.
- Since 2022 **MindfulPacer**: Research-based and community-driven smartwatch-based activity pacing applications (iPhone & Android) for Long Covid and ME/CFS patients to prevent crashes through physical exertion.
- Since 2013 **PersonalAnalytics**: Open-source, privacy-first self-monitoring platform (Electron, Vue) for researchers and citizens for capturing digital device use data and self-reports through experience sampling to increase awareness on time use, perceived productivity and well-being.
- 2011 – 2018 **TouchMountain**: Augmented reality app for to recognize mountains worldwide (C#, Windows Phone).
- 2011 – 2014 **Tagi-News**: Unofficial, award-winning Windows Phone and Windows 8 newsreader app with 2M+ reads.

## Certifications & Awards

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- 2024 **Distinguished Reviewer Award** at ICPC 2024.
- 2023 **Postdoc Team Award**: awarded by the University of Zurich for the MindfulPacer platform (CHF 15K).
- 2021 **Professional Scrum Product Owner I** (PSPO I, Scrum.org)
- 2020 **Training on ISO 13485 Quality Management Systems** (Medidee)
- 2020 **Training on ISO 14971 Risk Management for Medical Devices** (Medidee)
- 2015 **Winner Best Photo App**: Picturex was awarded by Silicon Beach App Awards.
- 2015 **Finalist for the European AppCup Award**: Picturex was nominated as one of the top 3 B2C apps.
- 2014 **Semester Price for my Master's Thesis**: One of the top 30 theses at the University of Zurich.
- 2013 **Nokia Lumia Geek Technology Showcase Award**: TouchMountain was awarded by Nokia at the Mobile World Congress in Barcelona, Spain.
- 2013 **Windows 8 App of the Year**: Tagi-News was awarded by Microsoft Switzerland.
- 2013 **Official Windows 8 Launch App**: Tagi-News was an official Swiss app of the Windows 8 launch.
- 2012 **App of the Year**: TouchMountain was awarded by Swisscom.

## Patents

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- 2023 **Technologies for interruptibility analysis and notification** ([US11676082B2](#))

## References

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Available upon request.