

Dr. André N. Meyer-Baron

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Work Experience

Since 07/2022	University of Zurich: Senior Researcher (full-time)	Zurich, Switzerland
Since 08/2018	MIT Coaching GmbH: Data Scientist (part-time)	Wollerau, Switzerland
Since 07/2020	Okomo AG: Advisory Board	Wollerau, Switzerland
06/2023 – 07/2023	University of British Columbia: Visiting Researcher	Vancouver, Canada
06/2019 – 06/2022	University of Zurich: Postdoctoral Researcher (part-time, 20%)	Zurich, Switzerland
08/2020 – 07/2022	ScanDiags AG: Head of Quality Management and Regulatory Affairs , part of the Leadership Team	Wallisellen, Switzerland
11/2018 – 06/2020	Okomo AG: CTO, COO (in 2019) & Co-Founder	Wollerau, Switzerland
04/2018 – 11/2018	University of British Columbia: Visiting Researcher	Vancouver, Canada
03/2014 – 10/2018	Picturex: Co-Founder	Freienbach, Switzerland
05/2009 – 08/2018	MIT-GROUP: Software Developer, Partner, Board Member	Freienbach, Switzerland
01/2018 – 04/2018	Microsoft: Research Intern	Redmond, USA
07/2016 – 08/2016	Microsoft: Visiting Researcher	Redmond, USA
11/2015 – 02/2016	Microsoft: Research Intern	Redmond, USA
2000 – 2015	Andre Meyer Consulting: Founder (web-, app-, and software-development)	

Education

10/2015 – 05/2019	PhD in Computer Science (summa cum laude, distinction) Thesis: Fostering Software Developer Productivity through Awareness Increase & Goal-Setting Advisors: Prof. Dr. Thomas Fritz, Prof. Dr. Gail Murphy, Dr. Thomas Zimmermann, Prof. Dr. Margaret-Anne Storey, Prof. Dr. Harald Gall	University of Zurich, Switzerland
01/2013 – 10/2015	M.Sc. of Science in Informatics (summa cum laude) Thesis: Personal Analytics: Two Studies on Developers' Perceptions of Productivity	University of Zurich, Switzerland
09/2009 – 01/2013	B.Sc. of Science in Informatics (magna cum laude) Thesis: Happy Coder, Personal Developer Analytics	University of Zurich, Switzerland

Patents

2023	Technologies for interruptibility analysis and notification (US11676082B2)
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Certifications

11/2021	Professional Scrum Product Owner I (PSPO I)	Scrum.org
11/2020	Training on ISO 13485 Quality Management Systems	Medidee
11/2020	Training on ISO 14971 Risk Management for Medical Devices	Medidee

Selected Publications

The complete list of publications is available at: <https://andre-meyer.ch/research>

- ICSE'24 **On the Helpfulness of Answering Developer Questions on Discord with Similar Conversations and Posts from the Past.** Alexander Lill, Andre Meyer, Thomas Fritz. [Conference Paper](#).
- CSCW'23 **Cultivating a Team Mindset about Productivity with a Nudge: a Field Study in Hybrid Development Teams.** Thomas Fritz, André Meyer, Alexander Lill, Gail Murphy, Lauren Howe. [Conference Paper](#).
- ICSE'23 **Semi-Automatic, Inline and Collaborative Web Page Code Curations.** Roy Rutishauser, André Meyer, Reid Holmes, Thomas Fritz. [Conference Paper](#).
- EURASIP'22 **Performance of a Deep Convolutional Neural Network for MRI-based Vertebral Body Measurements and Insufficiency Fracture Detection.** Benjamin Fritz, André Meyer, Matthias Staib, Reto Sutter, Christoph Germann. [Journal Paper](#).
- TSE'20 **Detecting Developers' Task Switches and Types**
André Meyer, Chris Satterfield, Manuela Züger, Katja Kevic, Gail Murphy, Tom Zimmermann, Thomas Fritz. [Journal Paper](#).
- CHI'20 **Supporting Software Developers' Focused Work on Window-Based Desktops**
Jan Pilzer, Raphael Rosenast, André Meyer, Elaine Huang, Thomas Fritz. [Conference Paper](#).
- Dissertation **Fostering Software Developer Productivity through Awareness Increase and Goal-Setting.**
André Meyer. [Dissertation](#).
- TSE'19-1 **Enabling Good Work Habits in Software Developers through Reflective Goal-Setting**
André Meyer, Gail Murphy, Thomas Zimmermann, Thomas Fritz. [Journal Paper](#).
- TSE'19-2 **Today was a Good Day: The Daily Life of Software Developers**
André Meyer, Earl Barr, Christian Bird, Thomas Zimmermann. [Journal Paper](#).
- CSCW'18 **Design Recommendations for Self-Monitoring in the Workplace: Studies in Software Development**
André Meyer, Gail Murphy, Thomas Zimmermann, Thomas Fritz. [Conference Paper](#).
- ICSE'18 **Fostering Software Developers' Productivity at Work Through Self-Monitoring and Goal-Setting**
André Meyer. Doctoral Symposium Track.
- CHI'18 **Sensing Interruptibility in the Office: A Field Study on the Use of Biometric and Computer Interaction Sensors.** Manuela Züger, Sebastian Müller, André Meyer, Thomas Fritz. [Conference Paper](#). Top 5%.
- ESEM'17 **Characterizing Software Developers by Perceptions of Productivity**
André Meyer, Thomas Zimmermann, Thomas Fritz. [Industry Track](#).
- TSE'17 **The Work Life of Developers: Activities, Switches and Perceived Productivity**
André Meyer, Gail Murphy, Thomas Zimmermann, Laura Barton, Thomas Fritz. [Journal Paper](#).
- CHI'17 **Reducing Interruptions at Work: A Large-Scale Field Study of FlowLight**
Manuela Züger, Christopher Corley, André Meyer, Boyang Li, Thomas Fritz, David Shepherd, Vinay Augustine, Patrick Francis, Nicholas Kraft and Will Snipes. [Conference Paper](#). Top 5%.
Covered in The Telegraph, Wall Street Journal, GeekWire, DigitalTrends, The New Yorker, and 70 more.
- FSE'14 **Software Developers' Perceptions of Productivity**
André Meyer, Gail Murphy, Thomas Zimmermann, Thomas Fritz. [Conference Paper](#). Best Paper Nominee.

Selected Projects

- Since 2022 **FlowTeams**: Research-based soft- and hardware approach to support knowledge work 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 Activity Pacing platform for Long Covid and ME/CFS patients to maintain a functional disease state and prevent "crashes" through physical exertion.
- Since 2018 **Smart Energy Lab32**: Short-term and long-term photovoltaic power output predictions using artificial neural networks (ANN) in pre-alpine terrain in Switzerland.
- Since 2013 **Personal Analytics**: Fostering productivity at work through self-monitoring and goal-setting. I am the main contributor to this open-source project.
- 2020 – 2022 **ScanDiags**: AI service for augmented diagnosis and detection of musculoskeletal pathologies from MRI. I am responsible for the regulatory affairs and quality management and am supporting the technical implementation and running clinical investigations.
- 2019 - 2023 **Okomo**: SaaS-solution to enable personalized interactions with online customers/prospects. As CTO and COO, I was responsible for the strategy, technical implementation, deployment and product roadmap, as well as supporting investor relations, operations and sales. Later served on advisory board.
- 2014 – 2018 **Picturex**: Private Photo Sharing (secure photo-exchange service for B2C and B2B, multi-platform). I was the project lead, responsible for our strategy, go to market, marketing, and customer success.
- 2011 – 2018 **TouchMountain**: Award-winning augmented reality app for to recognize mountains worldwide. I was the project lead handling client & backend implementation, strategy, marketing, finance, support.
- 2011 **Tagi-News**: Unofficial, award-winning Windows Phone and Windows 8 newsreader app.
- 2010 **MeteoCheck.ch**: App and web service to compare weather forecasts with the reality.

Awards & Grants

- 2024 **Outreach Grant**: Research grant for the MindfulPacer project from DIZH with a value of CHF 50'000.
- 2024 **Founder Grant 2023.1**: Grant for the FlowTeams project from DIZH with a value of CHF 75'000.
- 2023 **Seed Funding Grant**: Infrastructure grant from DSI with a value of CHF 9'700.
- 2023 **Postdoc Team Award**: awarded by the University of Zurich for the MindfulPacer platform (CHF 15'000).
- 2023 **University of Zurich GRC Grant**: travel grant for CHF 1'900.
- 2022 **NRP Grant**: Research grant from Neue Regionalpolitik (initiative by the Swiss government and Kanton Schwyz) with a value of CHF 60'000.
- 2021 **Rapid Action Grant 2021.1**: Research grant from DIZH with a value of CHF 76'000, 9/33 projects funded.
- 2018 **SNF Mobility Grant**: Swiss National Science Foundation, travel grant for CHF 22'000.
- 2018 **University of Zurich GRC Grant**: travel grant for CHF 3'400.
- 2016 **Microsoft Partner of the Year Award**: MIT-GROUP was awarded by Microsoft Switzerland.
- 2016 **Microsoft Research, Intern TopUp Award**: USD 10'000.
- 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.
- 2012 **App of the Year**: TouchMountain was awarded by Swisscom.

Scientific Communication

Publications: >16 publications with >800 citations (incl. 3 book chapters)
Presenter: >30 conferences (incl. Mobile World Congress, IBM DeveloperWorks, FSE, ICSE, CHI, CSCW)
Scientific reviewer: >26 journals and conferences (incl. TSE, TOSEM, CHI, ICSE, FSE, ICPC, CSCW)
Committee member: >7 conferences (incl. FSE, ICPC, ASE, MSR, ISSTA)
Media: >150 articles and interviews (incl. the New Yorker, Wall Street Journal, New Scientist, Tages-Anzeiger, Netzwoche, Inside IT, UZH News, Microsoft Developer, Nokia Connect, Startupticker)

List of Major Achievements

- **Senior Researcher:** Established expertise at the intersection of software engineering, human-computer interaction, and psychology, experienced in leading research projects in the area of persuasive technologies, using self-monitoring, goal-setting, self-reflection and awareness-increasing strategies with biometric and computer interaction sensors.
- **Core Research Focus:** Dedicated to improving knowledge worker productivity and well-being through understanding work habits and devising innovative support approaches. Conducted >12 extensive field studies worldwide, over extended periods, to have practical impact and increase generalizability of results.
- Grants: Received 13 research grants and app/startup awards totaling CHF 350'000.
- **Innovative Research Tools:** Developed several research prototypes like FlowLight, nominated for best paper at CHI, FlowTeams, MindfulPacer, and PersonalAnalytics to improve workplace productivity and well-being.
- **Entrepreneurial Experience:** Co-founded and led Okomo as CTO, a SaaS company, and Pictorex, a secure photo-exchange service. Developed skills in fundraising, product management, and team collaboration.
- **Software development experience:** (Co-)developed >15 mobile and web apps (incl. FlowTeams, PersonalAnalytics, MindfulPacer, TouchMountain, Pictorex, and Tagi-News), thereby winning several (international) awards and reaching a few hundred thousand downloads.
- **Medical device experience:** Developed Quality Management (ISO 13485) and Risk Management Systems (ISO 14971), as well as regulatory device strategy for FDA approval of an AI-medical device.

Selected Talks

2023	An Introduction into Agile Methodologies (Fintech CAS Workshop)	Zurich, Switzerland
2022	An Introduction into Agile Methodologies (Fintech CAS Workshop)	Zurich, Switzerland
2022	Research-based approaches to Foster Productivity in the Future of Work	Zurich, Switzerland
2022	SE Research: Developers' Diverging Perceptions of Productivity (Podcast)	Virtual, DX
2020	Enabling Good Work Habits in Software Developers through Reflective Goal-Setting	Virtual ICSE'20 Talk
2020	Supporting Software Developers' Focused Work on Window-Based Desktops	Virtual CHI'20 Talk
2019	Today was a Good Day: The Daily Life of Software Developers Conference Talk at FSE 2019.	Talinn, Estonia
2019	Okomo: real human to human interactions (on the future of communication) Co-organizer of first Okomo meetup	Zurich, Switzerland
2019	Design Recommendations for Self-Monitoring in the Workplace: Studies in Software Development Conference Talk at CSCW 2019.	New Jersey, USA
2018	Fostering Software Developers' Productivity at Work Through Self-Monitoring and Goal-Setting , Colloquium Talk at the University of Victoria.	Victoria, Canada
2018	Fostering Software Developers' Productivity at Work Through Self-Monitoring and Goal-Setting , Industry Talk at Tasktop.	Vancouver, Canada

2018	Fostering Software Developers' Productivity at Work Through Self-Monitoring and Goal-Setting, Conference Talk at ICSE 2018.	Gothenburg, Sweden
2018	Today was a Good Day: The Daily Life of Software Developers, Microsoft Research.	Redmond USA
2017	Making Developers more Productive by Leveraging Personal Data <u>Keynote</u> Talk at IBM DeveloperWorks Unconference.	Zurich, Switzerland
2017	The Work Life of Developers: Activities, Switches and Perceived Productivity, Conference Talk at FSE 2017.	Paderborn, Germany
2016	Building a Meaningful Retrospection for Developers' Work, Microsoft Research.	Redmond, USA
2015	FlowLight: Streamlining Developer Interruptions, ABB.	Krakow, Poland
2015	Picturex Pitch at the European AppCup, Microsoft Europe.	Brussels, Belgium
2015	Microsoft Azure: A Startup Success-Story, Microsoft Switzerland and ALSO event.	Zurich, Switzerland
2014	Software Developers' Perceptions of Productivity, Conference Talk at FSE 2014.	Hong Kong, China
2014	How Startups can Benefit from the Microsoft Cloud, Microsoft Switzerland and IFJ.	Zurich, Switzerland
2013	TouchMountain: An Augmented Reality Windows Phone App, Mobile World Congress.	Barcelona, Spain
2012	TouchMountain: Developing Augmented Reality Apps, Adesso Innovation Snack.	Zurich, Switzerland

Teaching

2015 – 2024	Supervision and mentoring of 40+ students on their bachelor theses, master theses, master projects, independent studies and dissertations	University of Zurich, Switzerland
2023	Lead: Software Evolution and Developer Productivity Seminar	UZH, Switzerland
2022	CAS Fintech, Innovathon, Studium Digitale, GymInf, Software Project (support)	UZH, Switzerland
2020	Lead: Software Project (first software project for undergrad students)	UZH, Switzerland
2017	Assistant: Human Aspects of Software Engineering Seminar	University of Zurich, Switzerland
2016	Assistant: Human Aspects of Software Engineering Seminar	University of Zurich, Switzerland
02/2015 – 07/2015	Teaching Assistant: Software Project	University of Zurich, Switzerland
09/2013 – 12/2013	Teaching Assistant: Introduction into Programming Lecture	University of Zurich, Switzerland

Volunteer Work

Since 09/2022 Project Leader in **Long Covid Activity Pacing project**

References

Prof. Dr. Thomas Fritz (fritz@ifi.uzh.ch)	University of Zurich, Zurich, Switzerland
Stefan Voser (stefanv@scandiags.ch)	ScanDiags AG, Switzerland
Dr. Thomas Zimmermann (tzimmer@microsoft.com)	Microsoft Research, Redmond, USA
Prof. Dr. Gail Murphy (murphy@cs.ubc.ca)	University of British Columbia, Vancouver, Canada