

# Curriculum Vitae

Prof. Dr. Alexander Nolte

MetaForum 6.094  
5612 AZ Eindhoven  
The Netherlands  
email: [a.u.nolte@tue.nl](mailto:a.u.nolte@tue.nl)  
web: [alexandernolte.github.io](http://alexandernolte.github.io)



Scopus: 15  
Google Scholar H-Index: 22  
<https://scholar.google.com/citations?user=oVmnoQQAAAAJ&hl=en>

## Education

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- 2009 – 2014 Faculty of Business Administration and Economics, University Duisburg-Essen, Germany  
**Dr. rer. nat. (PhD in Information Systems)**  
Dissertation: Flexibilisierung kollaborativer Prozessmodellierung durch den Einsatz webbasierter Modellierungswerkzeuge (written in German)  
*Sehr gut* (magna cum laude)  
Advisor: Prof. Dr. Thomas Herrmann (Ruhr-University Bochum, Germany)  
Advisor: Prof. Dr. Volker Gruhn (University Duisburg-Essen, Germany)
- 1999 – 2008 Department of Computer Science, TU Dortmund University, Germany  
**Dipl.-Inform. (MSc equivalent in Computer Science)**  
Diplomarbeit: Konzept und Prototyp eines Usability orientierten webbasierten Editors für semi-strukturierte Modellierung (written in German)

## Additional training

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University teaching qualification (UTQ)  
(16.04.2025, Eindhoven University of Technology, The Netherlands)

## Languages

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German – native language  
English – speak fluently and read/write with high proficiency (C2)

## Academic Positions / Appointments / Work Experience

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since 2023	<b>Software Engineering and Technology Cluster, Eindhoven University of Technology, The Netherlands</b> Assistant Professor (tenured, since 2023)
since 2016	<b>School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA</b> Adjunct Associate Professor (since 2020) Adjunct Assistant Professor (2018 – 2020) Research Associate (2017 – 2018) Temporary Research Programmer (2016 – 2017)
2018 – 2024	<b>Institute of Computer Science, University of Tartu, Estonia</b> Associate Professor (tenured, 2020 – 2024) Lecturer (Assistant Professor, tenured, 2018 – 2020)
2016 – 2018	<b>School of Information Sciences, University of Pittsburgh, PA, USA</b> Postdoctoral Fellow (2017 – 2018) Adjunct Faculty (2017) Visiting Research Fellow (2016 – 2017)
2016 – 2017	<b>EURO-FH University of Applied Sciences, Hamburg, Germany</b> Online-Tutor (2016 – 2017)
2009 – 2016	<b>Institute of Applied Work Science, Ruhr-University Bochum, Germany</b> Postdoctoral Research Fellow (2014 – 2016) Researcher and PhD student (2009 – 2014)
2013	<b>School of Information Systems, Queensland University of Technology, Brisbane, Australia</b> Visiting Research Fellow (2013)
2008 – 2009	<b>fromatob.com, Germany</b> Front-end Developer (2008 – 2009)

## Awards and Professional Recognition

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2025	Distinguished Reviewer Award for service at the research track at the <i>International Conference on Software Engineering</i>
2025	Excellent Course Evaluation Award for the elective Master course <i>Human-Computer Interaction</i> taught in Q2 of the academic year 2024/2025 at Eindhoven University of Technology, The Netherlands
2024	Best Paper award for the paper "Explanatory Capabilities of Large Language Models in Prescriptive Process Monitoring" presented at the <i>International Conference on Business Process Management</i>
2024	Best Event Report award for the paper "FacultyHack Events: Faculty-Focused Hackathons for High-Performance Computing Curriculum Development" presented at the <i>International Conference on Game Jams, Hackathons, and Game Creation Events</i>
2023	Best Conference Paper award for the paper "A framework to promote process recommendations through organizational practices" presented at the <i>Conference of the Italian Chapter of the Association for Information Systems</i>
2023	Runner Up award for the paper "Startup creation beyond hackathons – A survey on startup development and support" presented at the <i>International Conference on Software Business</i>
2023	Best Demo award for the paper "Kairos: A Tool for Prescriptive Monitoring of Business Processes" presented at the <i>International Conference on Process Mining</i>
2023	Reviewers' Honorable mention for service at the <i>International Conference on Business Process Management</i> .
2023	Distinguished Reviewer Award for service at the Software Engineering in Society (SEIS) track at the <i>International Conference on Software Engineering</i>
2021	Best Paper Award for the paper "Interpreting externally expressed intentions of an autonomous vehicle" presented at the <i>International Conference on Human System Interaction</i>
2020	Runner-up for 2019 Best Paper Award for the paper "Designing Corporate Hackathons With a Purpose" published in <i>IEEE Software</i>
2019	ACM SIGSOFT Distinguished Paper Award for the paper "Going Farther Together: The Impact of Social Capital on Sustained Participation in Open Source" presented at the <i>International Conference on Software Engineering</i>
2016	Special award Sandro D'Atri for the paper "Socio-technical Process Design – The Case of Coordinated Service Delivery for Elderly People" presented at the <i>Conference of the Italian Chapter of the Association for Information Systems</i>

## Awarded Grants and Fellowships

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- 2023 – 2024 Alfred P. Sloan Foundation, USA  
Research project *"Socio-technical orchestration for hybrid hackathons – A pilot project"* (Author, PI, \$99,604)
- 2023 German Federal Government Commissioner for Culture and Media, Germany  
Research project *"Studying Hackathons & other open-innovation grassroots events to understand their role and impact in boosting entrepreneurship in cultural & creative industries"* (Co-PI, 295.000 € total funding value, 60.000 € for the University of Tartu)
- 2021 – 2024 National Science Foundation (NSF), USA  
CISE Community Research Infrastructure project *"World of Code (WoC): The Development of a Curated Code Resource to Support Research in Software Engineering"* (Co-author, Community Outreach and Engagement Director, \$750,000 total funding value, \$20,000 for outreach position)
- 2021 – 2023 Alfred P. Sloan Foundation, USA & German Federal Government Commissioner for Culture and Media, Germany  
Support for the workshop series *"Hack the Hackathon: Shaping the Future of Hackathon Research and Practice"* at the Lorentz Center, Leiden, The Netherlands, December 2021, at the Flatiron Institute, New York, USA, October 2022, and at the SDG Solution Space, Geneva, Switzerland, November 2023 (Author, principal investigator, \$160,000)
- 2020 – 2025 Estonian Research Council (ERC), Estonia  
Applied research project *"Prescriptive Monitoring of Business Processes"* (Co-author and senior personnel, lead of WP4 – Usability of Prescriptive Process Monitoring, 675.000 € total funding value, ~100.000 € for WP4)
- 2019 – 2021 Estonian Research Council (ERC) – NUTIKAS program, Estonia  
Applied research project *"Applied Research on Development of Autonomous Driving Lab for Level 4 Autonomy"* (Co-author and senior personnel, co-lead of WP7 – human vehicle interaction, 1.201.000 € total funding value, ~50.000 € for WP7)
- 2017 – 2019 Deutsche Forschungsgemeinschaft (DFG), Germany  
Research fellowship for the project *Supporting sustained collaboration over time in hybrid collocated and online settings* at the University of Pittsburgh, PA, USA (Author, PI, 103.249,80 €)
- 2017 – 2019 University of Pittsburgh Social Science Research Initiative, USA  
Applied research project *"We are strong! Leveraging Information Technology to Empower Marginalized Communities"* (Co-author and senior personnel, \$50.000)
- 2013 – 2017 Bundesministerium für Bildung und Forschung (BMBF), Germany  
Applied research project *"Kompetenzorientiertes Unternehmenscoaching für ein nachhaltiges Kompetenzmanagement in KMU (4C4Learn)"* (Co-author and senior personnel, lead of WP2 – Entwicklung betriebspezifischer Kompetenzmodelle und IT-Umsetzung, 1.180.000 € total funding value, 158.492,40 € for WP2)

- 2013 German Academic Exchange Service (DAAD), Germany  
Scholarship for a short-term research visit, Queensland University of Technology, Brisbane, Australia (Author, Principal investigator, 5.256 €)
- 2008 Bundesministeriums für Wirtschaft und Energie (BMWi), Germany  
eXist Business Start-up Grant, RWTH Aachen University, Germany (Front-end Developer, 11.600 €)

## Current and Prior Courses (Responsible Lecturer)

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- since 2025 Capstone Software Development (Bachelor, Eindhoven University of Technology, The Netherlands)
- since 2024 Human-Computer Interaction (Master, Eindhoven University of Technology, The Netherlands)
- 2018 – 2023 Human-Computer Interaction (Bachelor and Master, University of Tartu, Estonia)
- 2018 – 2021 Digital Product Management Industry Project (Master, University of Tartu, Estonia)
- 2018 – 2020 Digital Product Design Introductory Project (Master, University of Tartu, Estonia)
- 2017 Implementation of Information Systems (Master, University of Pittsburgh, PA, USA)
- 2015 Project Management (Bachelor, Ruhr-University Bochum, Germany)
- 2014 – 2015 Process Management and Innovation (Master, Ruhr-University Bochum, Germany)

## Supervised PhD and EngD students

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- since 2025 Annie Zhou (PhD, Eindhoven University of Technology, The Netherlands)
- since 2023 Lavinia Paganini (PhD, Eindhoven University of Technology, The Netherlands)
- since 2018 Maria Angelica Medina Angarita (PhD, University of Tartu, Estonia)
- 2021 – 2025 Kateryna Kubrak (PhD, University of Tartu, Estonia)
- 2025 Zeinab Namakizadeh Esfahani (EngD, Eindhoven University of Technology, The Netherlands, ongoing)
- 2024 Hassan Teymoori (EngD, **cum laude**, **ST Award 2025**, Eindhoven University of Technology, The Netherlands)
- 2018 – 2023 Abasi-Amefon Obot Affia (PhD, University of Tartu, Estonia)

## Scientific Community Service

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### Committees:

2025	International Conference on Cooperative and Human Aspects of Software Engineering (Journal First/ Journal Fast track co-chair)
2025	International Conference on Mining Software Repositories (Registered Reports program committee)
since 2025	International Conference on Software Engineering (program committee)
since 2025	International Conference on Cooperative and Human Aspects of Software Engineering (program committee)
2024	International Conference on Game Jams, Hackathons and Game Creation Events (program chair)
2024	ACM Conference on Computer-Supported Cooperative Work and Social Computing (associate chair)
2024	International Conference on Evaluation and Assessment in Software Engineering (program committee)
2024	International Conference on Cooperative and Human Aspects of Software Engineering (proceedings chair)
2023	International Conference on Business Process Management (program committee)
2023 – 2024	Software Engineering in Society (SEIS) track of the International Conference on Software Engineering (ICSE) (program committee)
2023	International Conference on Mining Software Repositories (mining challenge co-chair)
2021	International Conference on Mining Software Repositories (hackathon track co-chair)
2021	International Conference on Collaboration Technologies and Social Computing (conference co-chair)
since 2021	International Conference on Game Jams, Hackathons, and Game Creation Events (program committee)
2020	International Conference on Collaboration Technologies and Social Computing (program co-chair)
2019	ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (registration chair)
2019 – 2023	International Conference on Collaboration Technologies and Social Computing (program committee)
2018 – 2022	ACM International Conference on Supporting Group Work (program committee, associate chair)

- 2018 International Conference on Advanced Information Systems Engineering (social media chair)
- 2017 – 2023 Workshop on Socio-Technical Perspective in IS development (program chair, program committee)
- 2016 – 2020 International Conference on Global Software Engineering (program committee)

## Invited Talks and Panels

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- 2024 Fostering diversity in hackathons - Do's and don'ts – joint keynote with Jeanette Falk (Aalborg University Copenhagen, Denmark)  
Sixth Annual UK Conference of the HPC-AI Advisory Council, Leicester, United Kingdom (16.10.)
- 2024 Panel - Accessibility and Inclusivity; Community Engagement and Education; Interdisciplinary Collaboration  
Sixth Annual UK Conference of the HCP-AI Advisory Council, Leicester, United Kingdom (16.10.) – panelist
- 2024 Advancing scientific software one hackathon at a time  
Federal University of Pernambuco, Recife, Brazil (10.07.)
- 2024 You hacked and now what? - Fostering the impact of hackathons – keynote  
.Astronomy 13, European Space Agency, Madrid, Spain (26.04.)
- 2024 On time-bounded participant-driven events as a means of community building  
Capgemini, Eindhoven, The Netherlands (24.04.)
- 2024 Human role and agency in the age of AI  
University of Applied Sciences Cologne, Cologne, Germany (02.02.)
- 2023 Panel on Innovation in the Public Sector as part of Innovation Week 2023, online (07.11., <https://semanadeinovacao.enap.gov.br/en/>) – panelist
- 2023 Human role and agency in the age of AI  
Eindhoven University of Technology, Eindhoven, The Netherlands (22.05.)
- 2023 Digital transformation as an endeavor for organizations and society  
University of Applied Sciences Münster, Münster, Germany (26.04.)
- 2023 One-off events? Exploring the impact of hackathons in open source and beyond  
Eindhoven University of Technology, Eindhoven, The Netherlands (07.02.)
- 2022 Partizipative IT Gestaltung zur Förderung von Innovation für eine digitale Gesellschaft (German)  
University of Kassel, Kassel, Germany (25.01.)
- 2021 Panel on Student Competitions at the ACM Practice & Experience in Advanced Research Computing (PEARC) conference (19.07. – 22.07., <https://pearc.acm.org/pearc21/student-program/panel-on-student-competitions/>) – panelist

- 2020 Social aspects of computing: Supporting sustainable collaboration in hybrid settings  
University of Tartu, Tartu, Estonia (27.01.)
- 2019 Hackathons – Current practice and missed opportunities  
University of Tennessee, Knoxville, TN, USA (15.11.)  
Oak Ridge National Laboratory (ORNL), Oak Ridge, TN, USA (14.11.)  
Johannes Kepler University Linz, Linz, Austria (23.05.)
- 2018 Designing hackathons with a purpose  
IEEE Estonia Section Summer Seminar 2018, Jäneda, Estonia (20.08.)
- 2016 Supporting sustained collaboration over time – A socio-technical approach  
University of Missouri, Columbia, MO, USA (28.10.)
- 2015 Collaboration on and interaction with models of socio-technical processes  
Middlesex University, London, UK (03.11.)

## Published Open Access Resource

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- 2025 Hackathon Planning Kit – A web-based multi-level methodological framework to help prospective planners of in-person, online, and hybrid hackathons navigate the numerous design decisions to make their event a success  
(<https://hackathon-planning-kit.org/>)

## Institutional service

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- since 2025 Member of the Program Committee Computer Science, Eindhoven University of Technology, The Netherlands
- since 2025 Mentor for Computer Science Master students, Eindhoven University of Technology, The Netherlands
- since 2025 Co-organizer of the CS Research day – A biannual event for the Mathematics and Computer Science department to share ongoing research and identify collaboration opportunities, Eindhoven University of Technology, The Netherlands
- since 2024 Teaching workload coordinator for the Software Engineering and Technology Cluster, Eindhoven University of Technology, The Netherlands
- 2021 Search committee chair for faculty position Department of Computer Science, University of Tartu, Estonia
- 2021 Search committee member for faculty position Department of Computer Science, University of Tartu, Estonia
- 2021 Search committee member for adjunct faculty position Department of Computer Science, Norwegian University of Science and Technology, Norway



- 2019 – 2021 Erasmus+ Intereuropean Student Migration Coordinator for Partnership Agreements
- 2019 – 2021 Head of the executive Master specialization module "Digital Product Design and Management"

## Dissemination / Outreach Activities

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- 2025 Hybrid workshop on "Hack the Hackathon, Volume 5", Datalab of Copenhagen University Library, Copenhagen, Denmark (20.10. – 24.10.2025, <http://hackthehackathon.org/>) – co-organizer
- 2025 Interview with the Design Thinking for HR newsletter on Demystifying Hackathons (30.04.2025, <https://www.linkedin.com/pulse/demystifying-hackathons-interview-alexander-nolte-dessain--ytztc/>)
- 2024 Hack Beyond the Code Hackathon, Recife, Brazil and online (12.07.) – co-organizer
- 2023 World of Code Hackathon, Knoxville, TN, USA and online (17.11. – 19.11.) – co-organizer
- 2023 Hybrid workshop on "Hack the Hackathon, Volume 3", SDG Solution Space, Geneva, Switzerland (06.11. – 10.11.2023, <http://hackthehackathon.org/>) – co-organizer
- 2023 Generative AI Innovation Incubator Hackathon series, online, Carnegie Mellon University, USA (17.06. – 11.08.2023, <https://www.cs.cmu.edu/generative-ai/hackathons>) – co-organizer
- 2023 Interview with the Dataskeptik podcast on incentivizing survey participation (30.01.2023, <https://dataskeptic.com/blog/episodes/2023/casual-affective-triggers>)
- 2022 Hybrid workshop on "Hack the Hackathon, Volume 2", Flatiron Institute, New York, USA (03.10.- 07.10., <https://indico.flatironinstitute.org/event/3157/>) – co-organizer
- 2022 World of Code Hackathon, Pittsburgh, PA, USA (21.05. – 22.05.) – co-organizer
- 2021 #wirfuerschule hackathon, online, Germany (13.06. – 18.06.) – scientific advisor
- 2021 Lorentz Center workshop "Hack the Hackathon: Shaping the Future of Hackathon Research and Practice", online, The Netherlands (06.12.- 10.12., <https://www.lorentzcenter.nl/hack-the-hackathon-shaping-the-future-of-hackathon-research-and-practice.html>) – co-organizer
- 2021 Interview with the Techable blog on the evolution of hackathons during the COVID crisis, Japan (<https://techable.jp/archives/155860>)
- 2020 World of Code Hackathon, online, USA (14.11. – 05.12.) – co-organizer
- 2020 Cybersecurity Hackathon, online, Estonia (23.10. – 25.10.) – co-organizer

- 2020 Hello Future\_ hackathon, USA and Arabat, Syria (23.05. – 30.05.) – juror
- 2020 The Global Hack, online, Estonia (09.04. – 12.04.) – mentor
- 2019 World of Code Hackathon, Pittsburgh, PA, USA (01.11. – 03.11.) – co-organizer
- 2019 Cybersecurity Hackathon, Tartu, Estonia (11.10. – 13.10.) – co-organizer
- since 2018 Co-organizer of a hackathon series in the high-performance computing community (<http://hackhpc.org/>)