

## EDUCATION

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- PhD student Communication Science**, Vrije Universiteit Amsterdam (VU) since 2018  
NWO-funded project “Tracking the Filter Bubble” supervised by Wouter van Atteveldt, Damian Trilling, Judith Möller
- Research Master Communication Science, MSc**, University of Amsterdam (UvA) 2016 – 2018  
Thesis: “3bij3 – Developing a framework for researching recommender systems and their effects”
- Bachelor Communication Science and Philosophy, BA**, University of Erfurt 2013 – 2016  
Thesis: “Opinion Leadership on Social Network Sites within the framework of the refugee issue”

## ACADEMIC AND WORK EXPERIENCE

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- Participant Summer Institute Computational Social Science (SICSS)**, Princeton (online) 2021
- Participant Young Scholars in CSS**, Zürich (online) 2020  
• Presentation: Combining digital traces and survey data to study media effects: A mobile lab approach
- Participant NapoKo colloquium political communication**, Vienna 2019  
• Presentation: Tracking the filter bubble – Analyzing the diversity of news consumption and its consequences
- Participant Masterclass with Jose van Dijck**, Royal Netherlands Institute Rome 2019  
• Topic: “Social Media and Political Governance: Rome, Italy, Europe”
- Participant Workshop “ICT with industry”**, Leiden 2019  
• Project: “Opening the black box of user profiles in content-based recommender systems” with FD Mediagroep ([publication](#))
- Pre-Master Program Data Science**, University of Amsterdam, GPA 9.5 2018
- Research internship**, with Dr. Damian Trilling, Amsterdam School of Communication Research (ASCoR) 2017, 2018  
• Development and maintenance of INCA (bundle of scraping and analysis functionalities for social scientists, [GitHub](#))
- Graduate Research Assistant**, with Dr. Magdalena Wojcieszak, ASCoR 2017  
• Assisting with study design, data gathering, data analysis and writing up of results on several projects (e.g. [article](#) and [article](#))
- Graduate Research Assistant**, with Dr. Andreas Schuck, ASCoR 2016, 2017  
• Project: Media coverage and effects of the UN Climate Change Conference 2015
- Student assistant German-American exchange-program SPICE**, University of Erfurt 2015, 2016

## TEACHING

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- University Teaching Qualification (UTP)** 2021  
• Obtained 150 hour teaching qualification for academic teaching in the Netherlands ( [more information](#))
- Coordinator and teacher of the course “Automated Content Analysis using Python”**, VU Winter School 2020, 2021  
• Based on material by Dr. Damian Trilling: [GitHub](#)
- Teacher Bachelor course “Visualization in R”**, VU, minor digital humanities 2019, 2020  
• Based on material by Dr. Mariken van der Velden: [Assignments](#) and [Schedule](#)
- Organizer graduate class “Introduction to R”**, VU, graduate school 2019  
• Based on material by Dr. Wouter van Atteveldt: [GitHub](#)

## SKILLS

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| <b>Languages</b>              | German (native), English (fluent), Dutch (fluent)                                   |
| <b>Statistical Software</b>   | R, STATA, SPSS, Amos  |
| <b>Programming</b>            | Python and React (data retrieval, text analysis and NLP, building web applications) |
| <b>Databases</b>              | SQL, Elasticsearch  |
| <b>Markup languages</b>       | LaTeX, HTML, CSS  |
| <b>Network analysis tools</b> | Gephi, Netlogo  |
| <b>System administration</b>  | Linux, cloud computing, virtual machines  |

## AWARDS & FUNDING

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| <b>Member of Lowlands Science</b>   | 2021 |
| <ul style="list-style-type: none"><li>Science Outreach program, collecting digital trace data with the “DataDonationLab” during the Lowlands festival (event cancelled)</li></ul>                                     |      |
| <b>Media Diversity and Transparency in Smart Speakers</b>   | 2020 |
| <ul style="list-style-type: none"><li>Report commissioned by the Landesanstalt für Medien, NRW. Cooperation with TU Dresden (50,000€, member of the research team)</li></ul>  |      |
| <b>Winner Hackathon “Future Recommenders for public service media”</b>  | 2020 |
| <ul style="list-style-type: none"><li>Dutch public broadcaster (NPO) hackathon about designing a diversity-aware recommender system (3000€)</li></ul>   |      |
| <b>Best Poster Award Political Communication Division ICA</b>   | 2020 |
| <ul style="list-style-type: none"><li>Poster “Perceived Control and Satisfaction in News Recommender Systems” with Judith Moeller, Damian Trilling, Wouter van Atteveldt and Natali Helberger</li></ul>               |      |
| <b>Award Digital Communication Methods Lab University of Amsterdam</b>  | 2020 |
| <ul style="list-style-type: none"><li>Innovative research project focused on mapping the mobile news diet in a mobile lab, together with Judith Moeller, Damian Trilling, and Wouter van Atteveldt (5,000€)</li></ul> |      |
| <b>Award Digital Communication Methods Lab University of Amsterdam</b>  | 2019 |
| <ul style="list-style-type: none"><li>Innovative research project focused on methodological development, together with Judith Moeller, Damian Trilling, and Wouter van Atteveldt (4,000€)</li></ul>                   |      |
| <b>Award best academic presentation Graduate School of Social Sciences, VU</b>  | 2019 |

## EXTERNAL ACTIVITIES & SERVICE TO PROFESSION

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| <b>Student and early career representative Computational Methods ICA Division</b>  | 2021-2023  |
| <ul style="list-style-type: none"><li>Responsible for facilitating networking between early career scholars in computational communication science within the largest international organization in the field. This involves organizing pre-conferences and other events and building a platform where young scholars can connect and present their work.</li></ul>  |            |
| <b>Editorial Assistant Journal Computational Communication Research</b>  | Since 2018 |
| <ul style="list-style-type: none"><li>Open Source Journal dedicated to the promotion of computational work in the field of communication science (<a href="#">website</a>)</li></ul>   |            |
| <b>Reviewer for:</b>   |            |
| <ul style="list-style-type: none"><li><i>Journals:</i> New Media &amp; Society, Digital Journalism, Journalism Studies, International Journal of Communication, Media and Communication, Behavior &amp; Information Technology, Journal of Mixed Methods Research, Asian Journal of Communication, Communication and the Public, Computational Communication Research</li><li><i>Conferences:</i> ICA, ECREA, Etmaal, NIAA grants VU Amsterdam</li></ul> |            |
| <b>Invited talks:</b>  |            |
| <ul style="list-style-type: none"><li>Twitter Development (using APIv2, 2021)</li><li>DIGSSCORE Lab Bergen (2020)</li><li>University of Stavanger (2020)</li><li>Diversity Lab University of Bremen (2020)</li><li>Thynk Event (2020), Marie Curie Alumni Event (2020)</li><li>University of Koblenz-Landau (2019)</li></ul>   |            |

### Interviews:

- Radio Swammerdam (2020): [Filterbubbles en digital recht](#) [*Filter bubbles and digital law*]
- New Scientist (2021): [Wat weet Facebook over jou](#) [*What does Facebook know about you*]
- Deutschlandfunk (2022): [Alexa, spiel „Nachrichten“: Wie Sprachassistentinnen Informationen auswählen](#) [*Alexa, play the news: How smart assistants select information*]

### Other:

- Blogpost: ComCom blog (2020): What it's really like to do a hackathon [link](#)
- Member of the [100 Questions Initiative Disinformation Cohort](#) by the GovLab

## PEER-REVIEWED PUBLICATIONS

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- Van der Velden, M., & **Loecherbach, F.** (2021a). Epistemic overconfidence in algorithmic news selection. *Media and Communication*, 9(4), 182–197.
- Loecherbach, F.**, Welbers, K., Moeller, J., Trilling, D., & Van Atteveldt, W. (2021). Is this a click towards diversity? Explaining when and why news users make diverse choices. *13th ACM Web Science Conference 2021*, 282–290.
- Loecherbach, F.**, Moeller, J., Trilling, D., & van Atteveldt, W. (2020). The unified framework of media diversity: A systematic literature review. *Digital Journalism*, 8(5), 605–642.
- Loecherbach, F.**, & Trilling, D. (2020). 3bij3–developing a framework for researching recommender systems and their effects. *Computational Communication Research*, 2(1), 53–79.
- Sullivan, E., Bountouridis, D., Harambam, J., Najafian, S., **Loecherbach, F.**, Makhortykh, M., Kelen, D., Wilkinson, D., Graus, D., & Tintarev, N. (2019). Reading news with a purpose: Explaining user profiles for self-actualization. *Adjunct Publication of the 27th Conference on User Modeling, Adaptation and Personalization*, 241–245.
- Trilling, D., Van De Velde, B., Kroon, A. C., **Loecherbach, F.**, Araujo, T., Strycharz, J., Raats, T., De Klerk, L., & Jonkman, J. G. (2018). INCA: Infrastructure for content analysis. *2018 IEEE 14th International Conference on e-Science (e-Science)*, 329–330.

## PRESENTATIONS AND BOOK CHAPTERS

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- Schuck, A., Wonneberger, A., Meijers, M., & **Loecherbach, F.** *Who's afraid of climate change? News coverage of the COP21 paris climate summit and its effects on pro-environmental behavior*. Paper presented at ICA Conference, San Diego. 2017.
- Kroon, A., Trilling, D., Fokkens, A., **Loecherbach, F.**, Moeller, J., van Atteveldt, W., & van der Velden, M. *Deriving semantics from Dutch media corpora: The Amsterdam word embedding model*. Paper presented at the Etmaal van de Communicatiewetenschap, Nijmegen. 2019.
- Loecherbach, F.**, & Trilling, D. *It takes three to tango – the interplay of political press releases, social media and newspapers*. Paper presented at ICA Conference, Washington. 2019.
- Loecherbach, F.**, Moeller, J., D, T., & Van Atteveldt, W. *Perceived control and satisfaction in news recommender systems*. Poster presented at ICA Conference, Gold Coast (virtual). 2020.
- Moeller, J., **Loecherbach, F.**, Moeller, J., & Helberger, N. *Out of control? Using interactive testing to understand user agency in news recommendation systems*. Paper presented at ICA conference, Denver (virtual). 2021.
- Van der Velden, M., & **Loecherbach, F.** *News coverage of politics and policies*. Forthcoming in Handbook of Standardized Content Analysis: Applied Designs to Research Fields of Communication Science. 2021.