

Claudia Hauff

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EDUCATION

UNIVERSITY OF TWENTE

PHD INFORMATION RETRIEVAL |

ENSCHEDE, THE NETHERLANDS

Thesis: Predicting the Effectiveness of
Queries and Retrieval Systems
2005 - 2010

UNIVERSITY OF MAGDEBURG

DIPLOM COMPUTER SCIENCE |

MAGDEBURG, GERMANY

Equivalent to BSc & MSc degree.

Emphases on information retrieval,
machine learning and computer
graphics.

2000 - 2005

LINKS

Google Scholar: [chauff](#)

GitHub: [chauff](#)

Homepage: chauff.github.io

Twitter: [@CharlotteHase](#)

TEACHING

INFORMATION RETRIEVAL

10 week MSc-level course (60 students)
introducing the IR fundamentals. The
materials are available [online](#).

WEB & DATABASE TECHNOLOGY

10 week BSc-level course with up to 1,000
students. Web technology classes focus
on JavaScript and Node.js. The web
materials are available [online](#).

BIG DATA PROCESSING

10 week BSc-level (60 students) course.
Given between 2013-2017; topics include
stream processing and technologies in the
Hadoop ecosystem. The materials are
available [online](#).

PROGRAMMING

Java • C++ • JavaScript • R
Elasticsearch • Indri • PyTorch

EXPERIENCE

SPOTIFY | SENIOR RESEARCH SCIENTIST (SABBATICAL)

August 2021 - July 2022

DELFT UNIVERSITY OF TECHNOLOGY | FACULTY MEMBER

2013 - present | Delft, the Netherlands

- Entered the tenure track in 2013, received tenure in 2016, promoted to **Associate Professor** in 2018. Position reduced to 20% between August 2021 and July 2022.
- Research foci on information retrieval** (search as learning, conversational search, collaborative search, opening the neural black box) **and data science** (applied to data traces generated in Massive Open Online Courses).
- Supervisor of currently a team of six PhD students and one Postdoc. Four PhD thesis projects completed.
- Actively engaged in the information retrieval research community as SIGIR executive committee member (2019-2022 term), conference organizer (program co-chair of CIKM 2020), editorial board member (Foundations and Trends in Information Retrieval) and PhD examiner.

DELFT UNIVERSITY OF TECHNOLOGY | POSTDOC

February 2011 - January 2013 | Delft, the Netherlands

UNIVERSITY OF TWENTE | POSTDOC

September 2009 - December 2010 | Enschede, the Netherlands

MICROSOFT RESEARCH CAMBRIDGE | RESEARCH INTERN

June 2010 - August 2010 | Cambridge, UK

YAHOO! RESEARCH BARCELONA | RESEARCH INTERN

September 2007 - December 2007 | Barcelona, Spain

RESEARCH

Published more than **70 peer-reviewed articles** in the areas of information retrieval and data science. **Relevant recent publications** include:

Gustavo Penha, Claudia Hauff. On the Calibration and Uncertainty of Neural Learning to Rank Models. EACL, 2021.

Gustavo Penha, Claudia Hauff. What does BERT know about books, movies and music? Probing BERT for Conversational Recommendation. RecSys, pp. 388-397, 2020.

Arthur Câmara, Claudia Hauff. Diagnosing BERT with Retrieval Heuristics. ECIR, pp. 1:605-1:618, 2020.

Felipe Moraes, Kilian Grashoff and Claudia Hauff. On the Impact of Group Size on Collaborative Search Effectiveness, Information Retrieval Journal, 2019.

Dimitrios Bountouridis, Jaron Harambam, Mykola Makhortykh, Monica Marrero, Nava Tintarev and Claudia Hauff. SIREN: A Simulation Framework for Understanding the Effects of Recommender Systems in Online News Environments, FAT, pp. 150-159, 2019.

RESEARCH GRANTS

Acquired €1,076,000 in personal grants for information retrieval research and €325,000 in collaboration with other co-investigators.