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 | Research Scientist
August 2021 - present

- **Senior research scientist** between August 2021 and March 2022. **Staff research scientist** starting in April 2022.
- Research and engineering foci on search and recommendation problems.

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% starting in August 2021.
- **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.

RESEARCH GRANTS

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