

# 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.