

# 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](http://chauff.github.io)

Twitter: [@CharlotteHase](#)

## TEACHING

### INFORMATION RETRIEVAL

10 week MSc-level course (60 students)  
introducing the IR fundamentals.

### WEB & DATABASE TECHNOLOGY

10 week BSc-level course with up to 1,000  
students. Web technology classes focus  
on JavaScript and Node.js.

### BIG DATA PROCESSING

10 week BSc-level (60 students) course.  
Given between 2013-2017; topics include  
stream processing and technologies in the  
Hadoop ecosystem.

## PROGRAMMING

Java • C++ • TypeScript • Python  
Elasticsearch • Vespa • 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 - 2023 | Delft, the Netherlands

- Entered the tenure track in 2013, received tenure in 2016, promoted to **Associate Professor** in 2018. Part-time between 08/2021 and 09/2023.
- **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).
- Supervised more than 45 BSc and MSc Computer Science thesis projects. Supervised nine PhD projects in data science and information retrieval.
- Actively engaged in the information retrieval research community as SIGIR executive committee member (2019-2022 term), conference organizer (program co-chair of SIGIR 2024), 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 **100 peer-reviewed articles** in the areas of information retrieval and data science. **Relevant recent** publications include:

Nirmal Roy, Agathe Balayn, David Maxwell and Claudia Hauff. Hear Me Out: A Study on the Use of the Voice Modality for Crowdsourced Relevance Assessments. SIGIR 2023.

Gustavo Penha, Arthur Câmara and Claudia Hauff. Evaluating the Robustness of Retrieval Pipelines with Query Variation Generators. ECIR 2022.

David Maxwell and Claudia Hauff. Contemporary Web-Based Interaction Logging Infrastructure: Discussing the Achievements and Remaining Developmental Challenges of LogUI. DESIRES 2021.

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

## RESEARCH GRANTS

Acquired more than €1M in personal grants for information retrieval research and €325K in collaboration with other co-investigators.