

Tobias Vente

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EDUCATION

Ph.D. in Computer Science	Expected May 2025
University of Siegen, Siegen, Germany	
M.Sc. in Computer Science	Jan 2019 - Aug 2021
University of Siegen, Siegen, Germany	GPA: 3.8/4
Student Exchange - M.Sc. in Computer Science	Aug 2018 - Jun 2019
University of Tulsa, Tulsa, OK, USA	GPA: 4/4
B.Sc. in Computer Science	Jan 2019
University of Siegen, Siegen, Germany	

EMPLOYMENT HISTORY

SAP SE Internship	Aug 2020 - Nov 2020
<ul style="list-style-type: none">Developed data visualizations to streamline SAP cloud platform persistence test procedures	
SAP SE Internship	Jun 2019 - Sep 2019
<ul style="list-style-type: none">Enhanced SAP cloud platform's resilience by developing a robust test infrastructure	
University of Siegen Teaching Assistant	Oct 2017 - Sep 2020
<ul style="list-style-type: none">Coordinated laboratory sessions and designed exercises for the Algorithms and Data Structures courseCoordinated laboratory sessions and designed exercises for the Object-Oriented and Functional Programming lecture	
Faurecia Automotive GmbH Internship	Oct 2017 - Sep 2020
<ul style="list-style-type: none">Designed and implemented databases for efficient storage of production data	
NetFederation GmbH Internship	Aug 2016 - Oct 2016
<ul style="list-style-type: none">Deployed an internal communication chat tool using ROCKET.CHAT for enhanced team collaboration	

TECHNICAL SKILLS & RESEARCH INTERESTS

Programming:	Python, C, C++, Java, SQL
Frameworks:	Git, Numpy, Pandas, Scipy, Scikit-Learn, Pytorch, Tensorflow
Research Focus:	recommender systems evaluation, automated recommender systems, model selection, machine learning
Languages Spoken:	English, German, Spanish(basic)

HONORS & ACCOLADES

Germany Full Scholarship of the Konrad Adenauer Foundation	Oct 2017 - Dez 2021
<ul style="list-style-type: none">Scholarship holder of the scholarship program for gifted students	
Tulsa, OK, USA Presidential Honor Award	Jun 2019
<ul style="list-style-type: none">Award for outstanding academic performance	

OPEN-SOURCE PROJECTS

LensKit-Auto An automated (AutoRecSys) toolkit for offline evaluation based on LensKit	GitHub: ISG-Siegen/lenskit-auto
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PEER-REVIEWED ACADEMIC PUBLICATIONS

Conferences:

1. | *Revealing the Hidden Impact of Top-N Metrics on Optimization in Recommender Systems*
L. Wegmeth, **T. Vente**, L. Purucker
ECIR 2024 (Full Paper)
2. | *Introducing LensKit-Auto, an Experimental Automated Recommender System (AutoRecSys) Toolkit*
T. Vente, M.D. Ekstrand, J. Beel
ACM RecSys 2023 (Demo Track)
3. | *Advancing Automation of Design Decisions in Recommender System Pipelines*
T. Vente
ACM RecSys 2023 (Doctoral Symposium)

PEER-REVIEWED ACADEMIC PUBLICATIONS (CONTINUED)

Workshops:

1. | *The Effect of Random Seeds for Data Splitting on Recommendation Accuracy*

L. Wegmeth, **T. Vente**, L. Purucker, J. Beel

ACM RecSys 2023 (PERSPECTIVES Workshop)