

Tobias Vente

Mail • LinkedIn • GitHub • Google Scholar • Personal Website

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
• Implemented visualizations for the test procedure of SAP's cloud platforms persistence tests	
SAP SE Internship	Jun 2019 - Sep 2019
• Developed test infrastructure to improve the SAP cloud platform's persistence	
University of Siegen Teaching Assistant	Oct 2017 - Sep 2020
• Organized the labs and created the exercises for the Algorithms and Data Structures lecture	
• Organized the labs and created the exercises for the Object-Oriented and Functional Programming lecture	
Faurecia Automotive GmbH Internship	Oct 2017 - Sep 2020
• Developed Databases to store production information	
NetFederation GmbH Internship	Aug 2016 - Oct 2016
• Implemented a chat tool for internal communication with ROCKET.CHAT	

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
• Scholarship holder of the scholarship program for gifted students	
Tulsa, OK, USA Presidential Honor Award	Jun 2019
• 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
---	--

PEER-REVIEWED ACADEMIC PUBLICATIONS

Conferences:

1. | *Introducing LensKit-Auto, an Experimental Automated Recommender System (AutoRecSys) Toolkit*
T. Vente, M.D. Ekstrand, J. Beel
ACM RecSys 2023 (Demo Track)
2. | *Advancing Automation of Design Decisions in Recommender System Pipelines*
T. Vente
ACM RecSys 2023 (Doctoral Symposium)

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)