




Curriculum Vitae – Marius Bock

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Academic Experience

since 02/2021	PhD in Computer Science Supervisors: Prof. Dr. Michael Moeller & Prof. Dr. Kristof Van Laerhoven (Working) Dissertation title: Weak-supervision of Inertial-based Deep Neural Networks using Unlabeled (Egocentric) Visual Data	University of Siegen, GER
09/2018 - 11/2020	M.Sc. in Data Science Final Grade (1.4 / 1.0) with honors Supervisor: Prof. Dr. Margret Keuper Dissertation title: Multiple Object Tracking by Link Prediction using Graph Convolution Networks	University of Mannheim, GER
06/2017 – 09/2017	Student Researcher Funded under DAAD RISE Worldwide Supervisors: Prof. Dr. Jakub Szefer & Prof. Dr. Ali Sunyaev	Yale University, USA
09/2015 - 12/2015	Exchange semester Final Grade (4.0/ 4.0)	University of Seoul, KOR
10/2013 - 09/2017	B.Sc. in Information Systems Final Grade (1.5/ 1.0) with distinction (top 5%)	University of Cologne, GER

Publications

[2023] <i>In review</i>	WEAR: A Multimodal Dataset for Wearable and Egocentric Video Activity Recognition Marius Bock , Michael Moeller, Kristof Van Laerhoven, Hilde Kuehne. arXiv Preprint, 2023.
[2022]	Investigating (Re)current State-of-the-Art in Human Activity Recognition Datasets Marius Bock , Alexander Hoelzemann, Michael Moeller, Kristof Van Laerhoven. Frontiers in Computer Science. 4:924954. 2022.
[2022]	A Public Repository to Improve Replicability and Collaboration in Deep Learning for HAR Lloyd Pellatt, Marius Bock , Daniel Roggen, Kristof Van Laerhoven. IEEE Proceedings of International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events, 2022.
[2021]	Tutorial on Deep Learning for Human Activity Recognition Marius Bock , Alexander Hoelzemann, Michael Moeller, Kristof Van Laerhoven. Full day tutorial at ACM International Joint Conference on Pervasive and Ubiquitous Computing and ACM International Symposium on Wearable Computers, 2021.
[2021] best paper award	Improving Deep Learning with Shallow LSTMs Marius Bock , Alexander Hoelzemann, Michael Moeller, Kristof Van Laerhoven. ACM Proceedings of the International Symposium on Wearable Computers, 2021.

Comittees

[2023]	Student Volunteer Chair ACM International Joint Conference on Pervasive and Ubiquitous Computing and ACM International Symposium on Wearable Computers, Cancun, Mexico
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Scholarships & Awards

[2021]	ISWC Best Paper Award for paper "Improving Deep Learning for HAR with Shallow LSTMs" at ACM International Joint Conference on Pervasive and Ubiquitous Computing and ACM International Symposium on Wearable Computers 2021
[2021 - 2024]	House of Young Talents - Young Academy 3-year funded PhD scholarship
[2021]	ZESS Stipend Award 6-month PhD scholarship
[2020]	W&W Prize for Outstanding Master Thesis awarded to by the DWS group at the University of Mannheim
[2017]	DAAD RISE Worldwide 3-month funded research internship at foreign university
[2015]	Dean's List Award awarded to top 5% of students at the WiSo faculty at the University of Cologne

Teaching & supervised theses (selection)

Course [WS 2022]	Deep Learning Teaching Assistant, Lecture for computer science and mechanical engineering master students (50 participants)
Master Thesis [WS 2022]	Optimizing Human Activity Data Collection through Machine-Learned Activity-Wise Skips for Minimum Prediction Performance Loss Sanjeev Kumar, Mechatronics
Master Thesis [WS 2022]	Video Hand Detection Lara Verena Breuer, Computer Science
Seminar [SS 2022; SS 2023]	Recent Advances in Machine Learning Organizer, Seminar for computer science and mechanical engineering master students (15 participants)
Seminar [SS 2021 - WS 2022]	Seminar in Data Science Organizer, Seminar for computer science and mechanical engineering bachelor and master students (15 participants)

Professional experience (selection)

01/2018 - 06/2018	Internship in Cyber Security Services Supervisor: Joerg Asma & Adil Mansoor	PwC GmbH, GER
04/2017 - 12/2017	Working student in Data Science Supervisor: Glenn Neuber	SAP SE, GER
08/2016 - 02/2017	Internship in Business Analysis/ Development Supervisor: Glenn Neuber	SAP Australia Pty. Ltd., AUS