

# Curriculum Vitae

## Personal Information

Name	Hinz, Tobias
E-Mail	<a href="mailto:tob.hinz@gmail.com">tob.hinz@gmail.com</a>
Personal Website	<a href="https://www.tobiashinz.com">https://www.tobiashinz.com</a>
LinkedIn	<a href="https://www.linkedin.com/in/tobias-hinz-397881123">https://www.linkedin.com/in/tobias-hinz-397881123</a>
Google Scholar	<a href="https://scholar.google.de/citations?user=SugTw28AAAAJ">https://scholar.google.de/citations?user=SugTw28AAAAJ</a>
Github	<a href="https://github.com/tohinz/">https://github.com/tohinz/</a>

## Education

April 2017 – April 2021 Doctor of Philosophy	PhD, <a href="#">Knowledge Technology</a> University of Hamburg, Germany Thesis: <i><a href="#">Disentanglement, Compositionality, Specification: Representation Learning with Generative Adversarial Networks</a></i>
October 2014 – November 2016 Master of Science	<a href="#">M.Sc. Intelligent Adaptive Systems (IAS)</a> University of Hamburg, Germany Final Grade: 1.09 (best IAS degree of 2016)
September 2011 – July 2014 Bachelor of Science	B.Sc. Business Information Systems University of Mannheim, Germany Final Grade: 1.6 (among best 10%)
August 2013 – January 2013	Semester abroad (student exchange) National University of Singapore
2001 – 2010 High-School	General Qualification for University Entrance Schubart Gymnasium Ulm, Germany

## Experience

January 2021 – Present	<a href="#">Machine Learning Research Engineer at Adobe Research</a> Working on generative models within the Computational Artistry Team
January 2019 – December 2020	<a href="#">Research Associate with the Crossmodal Learning Project</a> Subprojects A5 and C4: crossmodal learning with visual and textual data
June 2020 – September 2020	Research Intern at <a href="#">Adobe Research</a> Working on generative models within the Creative Intelligence Lab
July 2019 – August 2019	<a href="#">Deep Learning and Reinforcement Learning Summer School</a> Two weeks summer school about DL and RL, organized by CIFAR
July 2019	<a href="#">Eastern European Machine Learning Summer School</a> One week summer school about DL and RL, organized by DeepMind
January 2016 – March 2017	Research Assistant with the University of Hamburg Neural Models for NLP, Knowledge Technology Group
November 2014 – March 2017	Employee at Sprinkenhof GmbH, Hamburg Support and administration of all IT equipment
July – September 2014	Work and Travel, Melbourne, Australia
February 2012 – June 2014	Student Assistant with the University of Mannheim Teaching Assistant at the Chair of Software Engineering System Administrator at the Business Computer Pool

## Awards and Scholarships

2022	WACV Best Paper Award
2021	Outstanding reviewer: ICLR, CVPR
May 2019	ICLR Travel Award, New Orleans, USA
April 2017 – December 2018	Doctoral Scholarship, University of Hamburg
July 2018	IEEE CIS Travel Award for the WCCI, Rio de Janeiro, Brazil
January 2017	Award: Best IAS Degree of 2016
August 2013 – January 2014	DAAD Scholarship for Semester Abroad

## Selected Publications

ACM ToG 2022	Difan Liu, Sandesh Shetty, Tobias Hinz, Matthew Fisher, Richard Zhang, Taesung Park, and Evangelos Kalogerakis: "ASSET: Autoregressive Semantic Scene Editing with Transformers at High Resolutions", ACM Transactions on Graphics (SIGGRAPH), 2022
WACV 2022	Tobias Hinz, Matthew Fisher, Oliver Wang, Eli Shechtman, and Stefan Wermter: "CharacterGAN: Few-Shot Keypoint Character Animation and Reposing", IEEE Winter Conference On Applications of Computer Vision, 2022
WACV 2021	Tobias Hinz, Matthew Fisher, Oliver Wang, and Stefan Wermter: "Improved Techniques for Training Single Image GANs", IEEE Winter Conference on Applications of Computer Vision, 2021
TPAMI 2020	Tobias Hinz, Stefan Heinrich, and Stefan Wermter: "Semantic Object Accuracy for Generative Text-to-Image Synthesis", IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020
ICLR 2019	Tobias Hinz, Stefan Heinrich, and Stefan Wermter: "Generating Multiple Objects at Spatially Distinct Locations", International Conference on Learning Representations, 2019
IJCIA 2018	Tobias Hinz, Nicolás Navarro-Guerrero, Sven Magg, and Stefan Wermter: „Speeding Up the Hyperparameter Optimization Of Deep Convolutional Neural Networks“, International Journal of Computational Intelligence and Applications, 2018

## Reviewing Service

Journals	IEEE TPAMI, IJCV, IEEE TIP, IEEE Trans. SMC: Systems IEEE Trans. Aff. Comp., IEEE Access Neurocomputing
Conferences	ICLR, CVPR, NeurIPS, ICCV, IROS, WACV ICML, SIGGRAPH Asia

## Languages

German (native)  
English (fluent)

Tobias Hinz