Vincent Herrmann

	supervised by Prof. Dr. Jürgen Schmidhuber
2017–2020	Master of Arts, Institute for Music Informatics and Musicology, University of Music, Karlsruhe, grade: 1.2. in Music Informatics
2017–2019	Master of Music, University of Music and Performing Arts, Stuttgart, 1.0 with distinction (best possible grade). In Piano Performance
2010–2015	Bachelor of Music , <i>University of Music and Performing Arts</i> , Stuttgart, <i>1.0 with distinction (best possible grade)</i> . In Piano Performance and Composition
	Master thesis
title	Generative Transformer-based Models of Symbolic Polyphonic Music grade: 1
supervisor	Prof. Dr. Christoph Seibert
	Work Experience
2019-2020	Master Student, Bosch Center for Artificial Intelligence, Renningen. Research on generative models of symbolic music
2018-2020	Research and Teaching Assistant, <i>University of Music</i> , Karlsruhe. Teaching tutorials on music-related Al programming
2016-2017	Research Assistant , <i>University of Music and Performing Arts</i> , Stuttgart. Analysis of performance data from a computerized grand piano
2011-	Freelance Work. As pianist, composer, arranger and consultant for interactive live-electronic projects
	Awards and Scholarships (Selection)
2019	NeurIPS 2019 Outstanding Demonstration Award. For the project "Immersions - How does Music sound to Artificial Ears?"
2016-2019	Fellow of the Live Music Now Foundation.
2015	Finalist at the International Piano Competition Ferruccio Busoni. In Bozen, Italy
2013	Laureate at the TONALi Piano Competition Hamburg.

Education

2020- PhD, The Swiss AI Lab IDSIA, USI, Lugano.

2010 "Humanism Today" Prize.

For classical languages

2007 Composition Awards of the Jeunesses Musicales Germany.

Invitation to the national day of talents

Publications

Visualizing and sonifying how an artificial ear hears music, *2020*, PMLR post proceedings volume associated with the NeurIPS 2019 Competition and Demonstration tracks, peer-reviewed and accepted for publication.

Immersions - How Does Music Sound to Artificial Ears?, *2019*, NeurIPS 2019 Machine Learning for Creativity and Design Workshop.

Wasserstein GAN and the Kantorovich-Rubinstein Duality, 2017, Blog-post.

Wavelets - From Filter Banks to the Dilation Equation, 2016, Article at dsprelated.com.

Wavelets - Vanishing Moments and Spectral Factorization, 2016, Article at dsprelated.com.

Languages

German native

English proficient

Latin, rusty

Ancient Greek

Computer skills

Machine PyTorch, Tensorflow

Learning

Frameworks

Programming Python, C, Swift, Max/MSP/Jitter, PureData, JavaScript, Java

Languages

Software Logic Pro, Ableton Live, Finale, Dorico, Adobe Photoshop, Illustrator, InDesign