

Curriculum Vitæ

Personal Data

Name Stefan Riedel
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Birth date 14.05.1994 in Dingolfing, Germany
Citizenship German

Education

2017–2019 **Electrical and Audio Engineering**, *TU/KU Graz, Graz*.
Degree: **MSc** (with distinction), Grade Average: **1.5**
Focus areas: 3D Audio, Signal Processing, Computer Music

2013–2016 **Electrical and Audio Engineering**, *TU/KU Graz, Graz*.
Degree: **BSc**, Grade Average: **1.7**, scale: 4.0 to 1.0 (best)
Instrumental Studies: Classical Guitar with Kessia Probst

Work experience

09/2019 – 06/2020 **Audio Software/DSP Engineer**, *Hexachords, Barcelona, Spain*.
Implemented a Wavetable Synthesizer in JUCE/C++ as part of a music software product. Apart from the signal processing I was also responsible for parts of the conceptual design, integration of the GUI, software testing and ensuring overall audio quality and usability.

03/2019 – 06/2019 **Research Intern**, *3D Audio Group, Eurecat Barcelona*.
Developed distance-coded Ambisonics format and prototype decoders (BRIR Binaural Decoder including Near-Field Effect, MagLS Binaural Decoder based on HRIRs with Distance Room Model, DistanceEncoder VST plug-in development).

04/2018 – 05/2018 **Signal Processors Laboratory Tutor**, *Institute of Technical Informatics, TU Graz*.
Helped students implement Audio and Image Processing algorithms in C and Matlab on DSPs (FIR, Wavelet Transform, Cosine Transform, JPEG).

Distinctions

06/2019 ICMA Best Paper Award.
Award at the 2019 ICMC (International Computer Music Conference) in NYC for the work 'Design and Control of Mixed-Order Spherical Loudspeaker Arrays'.

12/2018 Styrian Economic Chamber (WKO) Stipend.
6 month stipend awarding economy-related master thesis research.

09/2017 ICISA 3D Audio Competition Silver Award.
Contributed sound design and production to 'Portale.'
<https://soundcloud.com/stefan-mario-riedel-1/portale>

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