

## RESEARCH INTEREST

David primarily investigates (auditory) media technologies and is driven by an interdisciplinary approach between art, science, and philosophy. During his undergraduate studies (2018) in musicology and media studies at the Humboldt University Berlin, he developed the Theremin for the Deaf, probably the first musical instrument that generates sound without acoustics. In his master's thesis (2021), *The Duality of Sound*, at the department for media theory at the Humboldt University Berlin, he challenged our understanding of sound. Whereas the *Duality of Sound* investigated the influence of external media technology on the human being and vice versa, his PhD thesis, *Phenomenology of Bionic Sensation*, will go a step further by exploring the relationship between the sensation of sound via the implanted media technology cochlear implant and the human perception techno-philosophically.

## PERSONAL INFO

Name: David Friedrich  
 Address: Perth (Australia)  
 E-mail: david.friedrich@research.uwa.edu.au  
 Portfolio: davids-digital.me

## EDUCATION

05/2022–Present **University of Western Australia**  
 Conservatorium of Music  
 PhD (Expected graduation date: June 2025)  
 Research thesis: *Phenomenology of Bionic Sensation. Rethinking the relationship between sound and hearing based on the cochlear implant.*

10/2018–06/2021 **Humboldt University of Berlin (Germany)**  
 Media Studies  
 Master of Arts (Expected graduation date: June 2021)  
 Research thesis: *The Duality of Sound. A Media Scientific Critique of the Temporality of Sonic Signals.*

10/2015–09/2018 **Humboldt University of Berlin (Germany)**  
 Musicology (Major) | Media Studies (Minor)  
 Bachelor of Arts  
 Research thesis: *Pay. Play. Repeat. The Media-Cultural Time Form of the Coin-Operated Phonograph in the USA, 1889–1896.*

08/2006–07/2009 **Rhön Hospital Hildesheim (Germany)**  
 Apprenticeship as a nurse  
 State Examination

## SCHOLARSHIP

05/2022–Present **University Postgraduate Award**  
 University of Western Australia

05/2022–Present **University of Western Australia International Fee Scholarship**  
 University of Western Australia

04/2020–03/2021 **Humboldt-Scholarship**  
 (As part of the Germany Scholarship program)

## AWARDS

2023 **Der Internationale Deutsche PR-Preis**  
 Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: Medien der internen Kommunikation.

2022 **INKOMETA Award 2022**  
 Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: International Internal Communication.

**PR Report Award 2022**  
 Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: Event- and Livekommunikation.

## European Excellence Award 2022

Project: ZEISS Digital Anniversary Radio. Company: Wildstyle Network. Role: Project Manager. Client: ZEISS. Category: Digital Event.

## TEACHING EXPERIENCE

- 2023 **The University of Western Australia**  
School of Biological  
Neuroscience in Society (undergrad course)  
Position: Tutor for "creative work" and "scientific writing"
- The University of Western Australia**  
Conservatorium of Music  
Lecture (Principles of Acoustics for musicians)
- 2022 **The University of Western Australia**  
School of Biological  
Neuroscience in Society (undergrad course)  
Position: Tutor for "creative work" and "scientific writing"
- 2020 **Humboldt University of Berlin (Germany)**  
Department for Musicology and Media Studies  
Module: Digital Media (undergrad course)  
Position: Teacher (together with Sebastian Kawanami-Breu)

## WORK EXPERIENCE

- 08/2021-02/2022 **Wildstyle Network (Germany)**  
Project Manager  
Clients: ZEISS, Fujitsu
- 10/2018-07/2021 **Humboldt University of Berlin (Germany)**  
Department for Musicology and Media Studies  
Student Assistant for Prof. W. Ernst
- 11/2016-11/2019 **Fritz Unsigned (Radio Fritz /rbb)**  
Assistant & Social Media Manager
- 2018 **Freelancer**  
Journalist  
Radio reports for the rbb
- 08/2009-03/2018 **Working as nurse on ICU and ITS**

## PUBLICATIONS

- WRITINGS
- 2021 AS EDITOR  
Ernst, Wolfgang. 2021. *Geistervorlesung. Techniklehrbuch in Zeiten der Pandemie* [Ghost Lecture. Technological analysis in times of pandemic]. ed. Thomas Fecker & David Friedrich, Glückstadt: wvh. ISBN 978-3-86488-171-8.
- 2021 AS AUTHOR  
Friedrich, David. 2021. *The Duality of Sound. Eine medienwissenschaftliche Zeitkritik des sonischen Signalwesens*. [A Media Scientific Critique of the Temporality of Sonic Signals]. Master thesis published on the edoc-server of the Humboldt University of Berlin. URL: <https://edoc.hu-berlin.de/handle/18452/23608> [Accessed 02 June 2021]. DOI: 10.18452/22911.
- 2020 Friedrich, David. 2020. "Cyborg Voice - Der Auto-Tune Effekt als Klangästhetik des Humanoiden. Ein medienarchäologisches Statement" [The Auto-Tune effect as a sound aesthetic of the humanoid. A media archaeological statement]. In *Wissen im Klang. Neue Wege der Musikästhetik*, ed. José Gálvez, Jonas Reichert & Elizaveta Willert, 163-78. Bielefeld: Transcript. ISBN: 978-3-8376-5149-2.
- 2019 Friedrich, David. 2019. "Xenodigital Storage. Zu Gast im fremden System" [Guest in a Foreign System]. In *Institut für Musikwissenschaft und Medienwissenschaft. Hausarbeiten & Essays*. URL: [https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten\\_essays/pdfs/xenodigital-storage.pdf](https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten_essays/pdfs/xenodigital-storage.pdf) [Accessed 20 May 2021].
- 2018 Friedrich, David. 2018. *Pay. Play. Repeat. Die medienkulturelle Zeitgestalt des Münzphonographen in den USA, 1889-1896* [The Media-cultural Time Form of the Coin-operated Phonograph in the USA, 1889-1896]. Bachelor thesis published on the

edoc-server of the Humboldt University of Berlin. URL: <https://edoc.hu-berlin.de/handle/18452/20280> [Accessed 20 May 2021]. DOI: 10.18452/19508.

2017 Friedrich, David. 2017. "Das operative Ohr. Abseits der Akustik" [The Operating Ear. Beyond Acoustics]. In *Institut für Musikwissenschaft und Medienwissenschaft. Hausarbeiten & Essays*. URL: [https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten\\_essays/pdfs/das-operative-ohr-abseits-der-akustik.pdf](https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten_essays/pdfs/das-operative-ohr-abseits-der-akustik.pdf) [Accessed 20 May 2021].

Friedrich, David. 2017. "Das Medienschöne. Evolution der Ästhetik" [The Medienschöne. Evolution of Aesthetics]. In *Institut für Musikwissenschaft und Medienwissenschaft. Hausarbeiten & Essays*. URL: [https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten\\_essays/pdfs/Das%20Medienschöne%20-%20Evolution%20der%20Ästhetik\\_DavidFriedrich.pdf](https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/hausarbeiten_essays/pdfs/Das%20Medienschöne%20-%20Evolution%20der%20Ästhetik_DavidFriedrich.pdf) [Accessed 20 May 2021].

#### NON-TRADITIONAL RESEARCH OUTCOME

2019 Friedrich, David. 2019. *DNA Based Music Machine* (rendered creative work). URL: <https://soundcloud.com/user-120169950/dna-based-music-machine>.

2018–2021 Friedrich, David. 2018. *Theremin for the Deaf* (permanent exhibition) at Media Archaeological Fundus (Humboldt University of Berlin), Berlin (Germany). URL: <https://www.musikundmedien.hu-berlin.de/de/medienwissenschaft/medientheorien/fundus/thereminforthe deaf> [Accessed 20 May 2021].

2018 Friedrich, David. 2018. *Theremin for the Deaf* (performance) at Scenes of Media Theater, Berlin (Germany), June 12th. URL: <https://medietheater.com/2018/07/11/scenes-of-media-theater/> [Accessed 20 May 2021].

Friedrich, David. 2018. *Theremin for the Deaf* (performance) at Fachtagung der Deutschen Cochlea-Implant Gesellschaft [Symposium of the German Cochlear-Implant Society], Hamburg (Germany), May 26th.

Friedrich, David. 2018. "CI-Träger hören mehr: Musik ohne Akustik" [CI Wearers Listen More: Music Without Acoustics]. Article in magazine *Schnecke* 99/29 (March), published by the *Deutschen Cochlea Implantat Gesellschaft* [German Cochlear-Implant Society].

Friedrich, David. 2018. *Theremin for the Deaf* (performance) at Dramaturgie der Signale, Berlin (Germany), February 15th.

2017 Friedrich, David. 2017. *Sounds like Berlin* (rendered creative work). URL: <https://youtu.be/5nzGrWVZNkw>.

#### MUSIC

2016 *From Synthwave To Evergreen* (EP). 2016. Artist: Teresa Caballo (solo project). 6 Tracks. Label: recordjet (GTIN/EAN/UPC 4050215212350).

*LIVE LIVE LIVE* (live EP). 2016. Artist: Teresa Caballo (solo project). 5 Tracks. Label: recordjet (GTIN/EAN/UPC 4050215199392).

*Persuasion* (LP). 2016. Artist: Teresa Caballo (solo project). 11 Tracks. Label: Caballo Records (GTIN/EAN/UPC 4050215166813).

2015 *The Legendary Mercy Notes* (EP). 2015. Artist: Teresa Caballo (solo project). 5 Tracks. Label: Caballo Records (GTIN/EAN/UPC 4050215126114).

2014 *Love Appears* (EP). 2014. Artist: Disco Love Machine (band member). 3 Tracks. GTIN/EAN/UPC 4050215095663.

2013 *Live im Kesselhaus* (live EP). 2013. Artist: Disco Love Machine (band member). 5 Tracks. GTIN/EAN/UPC 4050215061248.

*Disco Love Machine* (LP). 2013. Artist: Disco Love Machine (band member). 9 Tracks. GTIN/EAN/UPC 4050215039544.

2007 *Ramona* (single). 2007. Artist: Exit Inside (band member). In *Video Kings O. S. T.*, Label Steamhammer (SPV), ASIN : B000UVLK44.

#### VIDEOS

2016 *Spread My Love*. 2016. Artist: Teresa Caballo (solo project). URL: <https://youtu.be/kSQ30K4q1xQ>.

*Don't Call Me A Machine*. 2016. Artist: Teresa Caballo (solo project). URL: <https://youtu.be/mFxiyvzltS>.

2015 *Downtown*. 2015. Artist: Teresa Caballo (solo project). URL: [https://youtu.be/Xp\\_mjUVuyXM](https://youtu.be/Xp_mjUVuyXM).

*White Boy*. 2015. Artist: Teresa Caballo (solo project). URL: [https://youtu.be/O\\_vm06qcm1A](https://youtu.be/O_vm06qcm1A).

2014 *Tracks (Love Appears Remix) LIVE*. 2014. Artist: Disco Love Machine (band member). URL: <https://vimeo.com/122889891>.

*Tracks (Love Appears Remix)*. 2014. Artist: Disco Love Machine (band member). URL: <https://vimeo.com/106272522>.

2013 *MONO*. 2013 Artist: Disco Love Machine (band member). URL: <https://vimeo.com/86891739>.

*Live im Kesselhaus*. 2013. Artist: Disco Love Machine (band member). URL: <https://vimeo.com/78466320>.

2008 *Ramona*. 2008. Artist: Exit Inside (band member). In: *Video Kings* (DVD), Hannover: SPV Vision. ASIN: B0013LG9H8.

## TECHNOLOGY

- 2021 *Geistervorlesung* (webserver). Idea & Concept. Realized together with Thomas Fecker. URL: <https://www.geistervorlesung.de/> [Accessed 20 May 2021].
- 2019 *TOUR IT YOURSELF* (iOS App). Idea & Concept. In cooperation with Digital.Wolff, Plotz & Co GmbH, URL: <https://apps.apple.com/de/app/tour-it-yourself/id1449709196> [Accessed 20 May 2021].

## PRESENTATIONS

- 2023 **11th International Scientific Meeting for Sound, Music and Musical Instrument Studies.** "Let's talk about the Cochlear Implant and its impact on our understanding of sound." Coimbra / Portugal. July 21-24.
- Arts and Humanities in Digital Transition.** "Beyond Biology: The Impact of Neurotechnology on Human Sensory Experience". NOVA FCSH (Lisbon / Portugal). July 6.
- NOVA Contemporary Music Meeting.** "Beyond Acoustics: The Impact of Cochlear Implants on Sound Perception". NOVA. FCSH (Lisbon / Portugal). May 3-5.
- Conservatorium of Music.** "Hearing like a hammerhead shark? How a techno-philosophical investigation of the cochlear implant alters our understanding of sound perception." UWA (Perth / Australia). March 28.
- Media and Communication Research Seminar.** "The Cochlear Implant: A Media Theory about its Influence on Human Sensory Experience". UWA School of Social Sciences (Australia). February 10th.
- Medien, die wir meinen** [Media in our sense]. "Let's talk about the technologos of the cochlear implant". [via Zoom]. Berlin (Germany). February 8th.
- 2022 **Musicological Society of Australia. Western Australia Chapter Conference.** "There is no Natural Hearing". UWA Conservatorium of Music (Australia). November 28th.
- EMSD Forum.** "Live. Recording. Sound– A (personal) Journey to our understanding of sound". UWA Conservatorium of Music (Australia). August 3rd.
- PuntoOrg.** Discussants at the book presentation „Diminished Faculties“ (Jonathan Sterne) [via Zoom]. Worldwide. June 20th.
- 2021 **Medien, die wir meinen** [Media in our sense]. "The Duality of Sound" [via Zoom]. Berlin (Germany). February 17th.
- 2019 **Reeperbahn Festival 2019.** *Tour It Yourself*. Hamburg (Germany). September 19th.
- Akustische Dokumente/ Sonic Documents.** "Wax & Coins. Das Phonogramm im Zeitalter der mechanischen Reproduzierbarkeit" [The Phonogram in the Age of Mechanical Reproducibility]. Bochum (Germany). January 18th.
- 2018 **31st. DVSM-Symposium.** "Cyborg Voice. Die Klang-Ästhetik des Humanoiden als Diskursfigur" [The Sound Aesthetics of the Humanoid as a Discourse Figure]. Berlin (Germany). November 9th.
- Technologies of Singing.** "Wax & Nickels". Detmold (Germany). November 2nd.
- 2017 **Game Circuit #18.** "Ludus Computatorius – Das Spiel im Schatten der Maschine" [The Game in the Shadow of the Machine]. Berlin (Germany). May 12th.

## PROJECTS

- 2022-Present **Zerteilte Zukünfte** [Divided Futures] (German Podcast)  
▸ Audiodesign and composition.
- 2020–2021 **Geistervorlesung** [Ghost Lecture] (vwh Verlag Glückstadt)  
▸ Idea and Concept of a multimedia publication (using AI and AR) of Prof. W. Ernst's lecture (2020) together with Thomas Fecker.  
▸ Editor (see publications).
- 2018–2021 **Theremin for the Deaf** (Humboldt Universität of Berlin)  
▸ Concept and design of a musical instrument that can be heard without acoustics via a cochlear implant, thereby questioning and criticizing our understanding of hearing. This project turns a hearing prosthesis into a hearing extension.
- 2018–2020 **Tour It Yourself** (Digital.Wolff GmbH Berlin)  
▸ Concept and design of the app *Tour It Yourself* which allows independent musicians to book concerts independently.  
▸ Development of marketing and press strategies to establish the brand *Tour It Yourself*.

- 2019 **DNA Based Music Machine**
- › An amino acid driven composing machine inspired by M. Buehler's *Amino Acid Synthesizers* (2019) and John Clinton's *Quadrille Melodist* (1865).
- 2017 **Sounds Like Berlin** (Experiment)
- › An inverted *soundwalk* through Copenhagen that evokes familiar feelings by listening to Berlin's unique soundscape.

## ENGAGEMENT

- 01/2020–05/2021 **TEDxHu Berlin** (Independent organized TED Events)
- › Co-organizer (since 03/2020).
- 01/2020 **Transmediale Festival 2020**
- › Hosting the workshop "Adversarial Hacking in the Age of AI", which took place as part of the *Transmediale Festival Berlin* from January 29th–30th 2020, at the Media Theater of the Humboldt University of Berlin.
- 04/2018–03/2020 **Active Member of the Student Council Initiative of the department for musicology and media studies at the Humboldt University of Berlin**
- › Member of the commission for the junior professorship "Digital Media and Computation" (2018–2019).
  - › Development of an equality concept for the Institute of Musicology and Media Studies at the Humboldt University Berlin (2018).
  - › First editorial of the study regulations 2019 for the study program Media Studies (2018–2019).
  - › Interview with Ms. von Örzen in the context of the application procedure for the S-professorship "Media Practices" (2018).
- 09/2017–04/2021 **Berliner Schule** (Initiative of the students of media studies at the Humboldt University of Berlin)
- › Founder of the official initiative "Berliner Schule".
  - › Information about the study of media studies in Berlin, which might be of interest to students.
- 2017 & 2018 **Vintage Computer Festival Berlin**
- › Organizational Assistance of the event
  - › Video documentation of the conference.

## MUSICIAN

## MUSIC MANAGEMENT

## PRODUCER

- 2018–Present **Composer**
- › Composition of jingles for podcasts
- 01/2012–01/2021 **Music Management & Concert Booking**
- › Concert booking and branding for: Wito (2016/ 2019–2020). Teresa Caballo (2015–2017). Disco Love Machine (2012–2015).
  - › Concert booking for: You Can Call Me Jack (2015). Falk Louis (2016–2017).
  - › Social media consulting for: Alles Solar (2018).
  - › Vocal-coach for: Simply in Blue (2012).
- 01/2004–01/2017 **Musician** (singer and instrumentalist; composer and songwriter; producer and sound engineer) with more than 300 concerts in D/ A/ GB/ NOR.