Ing. **Filip Dobrocký**

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education

IEM / Kunstuniversität Graz — **2025**
Computer music and Sound Art
Erasmus exchange

Faculty of Music / Janacek Academy of Performing Arts — **2023-**
Multimedia creation
Bachelor of Arts

FEEC / Brno University of Technology — **2018-2023**
Audio engineering - music production and recording
Engineer's degree

Gymnázium J. G. Tajovského, Banská Bystrica — **2014-2018**
Mathemathics class

Final Theses

- *Artificial Intelligence for Video Sonification* / **Master's thesis at BUT**
- *Experimental software musical instrument* / **Bachelor's thesis at BUT**

experience

Audified — **2025-**
VST plugin development

Bazmek entertainment — **2023-**
Music composition & sound design for theatre (+ other media)

Rekola Bikesharing — **2022-**
Bicycle mechanic

Projekt Trychtýř (SVITAVA transmedia art lab) — **2022, 2024, 2025**
Collaborative art project presented at SONDA festival

Freelance audio / art work — **2021-**
Recording, mixing, installations, coding...

Audified — **2020**
Audio hardware assembly

skills

- **Programming**: *C++, Python, C#, Java, Javascript*
- **Audio production, engineering, recording**: *Reaper, Ableton Live*
- **Interactive audio/art, creative coding**: *SuperCollider, Max/MSP/Jitter, Pure Data, Touchdesigner, FMOD studio, p5.js*
- **DSP, Audio programming**: *JUCE framework, Gen, DaisySP*
- **Embedded development**: *ESP32, Arduino, STM32, Daisy Seed, Raspberry Pi, PlatformIO*
- **Web development**: *Hugo, React, Supabase*
- **Video editing**: *DaVinci Resolve*
- **Computer vision**: *OpenCV, object detection, MOT*
- Bicycle repair and building
- Vegetarian cooking, specialty coffee

languages

English (proficient), German (learning), Slovak (native), Czech (proficient)

workshops (attended)

SMC Summer School - Art Installations (IEM Graz, Winfried Ritsch)	**2025**
Fluid Corpus Manipulation (FluCoMa) (IEM Graz, Pierre Alexandre Tremblay)	**2025**
Advanced sound design, live electronics and musical programming (HF JAMU, Bruno Liberda)	**2024**
Spatial sound and ambisonics (HF JAMU, Thomas Gorbach)	**2023**
Deep Learning for composers and artists (SVITAVA, Robert B. Lisek)	**2023**
Walking Over Bones - Field recording (Kunsthalle Bratislava, Tomáš Prištiak)	**2022**