

Antonín Gazda

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EDUCATION

Czech Technical University in Prague, Faculty of Electrical Engineering

Master's Program: Audiovisual Technology and Signal Processing 2023 – 2025

Czech Technical University in Prague, Faculty of Electrical Engineering

Bachelor's Program: Electronics and Communication 2020 – 2023

Bachelor's Thesis: *Condenser Microphone with Sigma-Delta Conversion* (graded A)

ACTIVITIES – MULTIMEDIA

Confluence Venezia 2024

- co-author of Daniel Vlček's work, curated by Lucie Drdová and Marika Gálová
- use of electronic sensors and actuators to zoom into the microbial world
- production of performances, installations, and artistic activities

Wakushoppu: Jang, Výravský, Gazda 2024

- live visuals during a concert at Punctum

META-Amulet 2023

- co-author of Daniel Vlček's work, stylized trilobite representation using electronics, for Artmat and Czech Centers

NK presents Bramborack #1: Jena Jang & Mňau 2023

- live visuals during a concert at Petrohradská kolektiv

Mňau Labs (other multimedia activities) 2021 – present

- development of custom MIDI, OSC, and other control devices for multimedia projects
- development of Eurorack cases for beginners
- beta testing of new synthesizers for Bastl Instruments

ACTIVITIES – NOISE KITCHEN

- leading DIY synthesizer soldering workshops, Open Jams, organizing Bramborack open call, and other activities
- 2 or more events per month

Synth Playroom – Lunchmeat Festival 2022, 2023, 2024

- leading an interactive workshop on synthesizers and visuals as part of the Symposium on Digital Arts

Blank Panels 2023

- using PCBs as an artistic medium, collaborating with: Daniel Vlček, Teres Bartůňková, Nathanaël Roman
- collaboration with risograph studio Paper Can Dance on creating prints
- curating and organizing an exhibition at the Transforma festival

ACTIVITIES – OTHERS

Workshops – Sound Design Course 2022, 2023, 2024

- leading workshops on using modular synthesizers at the Karl Halř Music School in Vrchlabí

HLUCH 2021 – 2022

- leading workshops on DIY synthesizer production and programming at CTU FEL

3D Printing Against COVID-19 2020

- leading a group of 30+ volunteers in the Liberec region, producing and distributing over 2000 protective shields to healthcare workers

Erasmus+ Helping Hand, Soothing Voice 2020

- leading the Czech YMCA TenSing group, Brzozów, Poland.

High School Research – Design of a Music Instrument with Analog Sound Creation 2017 – 2018

- competition for authors of research papers, supervised by doc. Dr. Ing. Jiří Hospodka, 2nd place in the Liberec region

WORK EXPERIENCE

Petrohradská kolektiv, production 2023 – 2025

- production of cultural events (concerts, workshops, exhibitions), installation of exhibitions, grant projects, collaboration with artists

W-Controls, electronics engineer 2022 – 2023

- development of hardware, firmware, and software for a flight simulator

SKILLS

Electronics: Hardware design, firmware, soldering (SMD/THT), debugging, multimedia applications

Programming: C, C++, Python, programming of industrial robots (KRL).

Technical: 3D printing, 3D scanning, TouchDesigner, Davinci Resolve

Others: production of workshops and exhibitions, group organization, synthesizer teaching

Languages: Czech, English (C1), German (A2)
