

# 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 – present

### 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)

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## 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
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## 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
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## ACTIVITIES – OTHERS

**Workshops – Sound Design Course** ..... 2022, 2023, 2024

- leading workshops on using modular synthesizers at the Karl Halíř 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. Jirí Hospodka, 2nd place in the Liberec region
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## 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
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## 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)

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