

IDO AKOV (b.1993)

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EDUCATION

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|------------------------------|-------------------|---|
| • Aalto University | Espoo, Finland | M.Sc in Computer, communication and information sciences
2022–2024 |
| • Hebrew University | Jerusalem, Israel | B.Sc in computer science, 2018–2021 |
| • Bar-Ilan University | Ramat-gan, Israel | Music-technology studies, 2016– 2017 |
| • Academy of Music | Jerusalem, Israel | B.Mus in piano performance, 2011–2015 |

WORK EXPERIENCE

Software engineering, R&D

- **Research assistant:** Aalto Acoustics lab 2023–2024
Implemented the Bat-mic: a real-time audio-plugin written in C/C++ running on a mini-PC for human-echolocation and navigational assistance. Also implemented a proof-of-concept via simulation of device functionality within the MATLAB environment.

Music

- “Institutional Routine 2.0”– improvisation workshops and presentation at the Jerusalem Institute for the Blind, part of the Israel Festival 2021
- Curator of “Youth at the Center” concerts in the Jerusalem Music Center, 2017–2021
- Guest lecturer at: JAIS (Jerusalem American International School), Jerusalem Academy of Music and Dance, Be’er Sheva Conservatory, 2019–2021

HACKATHONS

- **Introduction to Machine-Learning course annual hackathon:** Hebrew university of Jerusalem, 2019
- **Neurochallenge seminar:** Kuopio, 2023

SCHOLARSHIPS

- **Merit scholarship for excellent studies:** Aalto university, 2023
- **Finland scholarship:** Aalto University, 2022–2024
- **“Nigunim” scholarship:** Bar-Ilan university, 2017
- **President of the Academy scholarship for excellence:** Jerusalem Academy of Music and Dance, 2015
- **Younes and Souraya Nazarian scholarship:** Jerusalem Academy of Music, 2013–2015

LANGUAGES

Hebrew– native

English– native

German– basic (B1)

PROGRAMMING

Languages– Python, MATLAB, C/C++, Java, SQL, asm, Arduino

Music production and sound processing software– Max/MSP, Ableton Live, SPEAR, Audacity

VOLUNTEER–WORK

“Gam vegam (together)”– tandem cycling group for sighted and visually-impaired people,
Jerusalem Institute for the Blind, 2021