

# Ágoston Nagy / CV

Budapest / Hungary / 1981 / [stc.github.io](https://stc.github.io) / [stc@binaura.net](mailto:stc@binaura.net)

Ágoston Nagy specializes in algorithmic art, creating code-based artistic visualizations, physical installations, and real-time sonification using code. In addition to his artistic endeavors, he conducts research exploring decentralized communities, nonhuman intelligence, autonomy, resilience and the liminal web. Having conducted international workshops in computational art, systems thinking, and creative coding practices across the EU, US, Canada, and Asia, Nagy has shared his expertise on a global scale. Formerly a researcher at Kitchen Budapest Media Lab and a lecturer at Moholy-Nagy University of Art and Design in Budapest, his works have been showcased at prestigious institutions such as the Massachusetts Institute of Technology, the Centre for Media Art Karlsruhe (ZKM), EXPANDED.ART Gallery Berlin, Ludwig Museum Budapest among others.

## *Current positions*

Artist, freelancer (member of Binaura & Creative Applications)

Interaction Design @ Moholy-Nagy University of Art and Design

## *Education*

*Post Doctoral Research Scholarship on Realtime Interactions & Machine Learning*, Moholy-Nagy University of Art & Design

*Goldsmiths University of London / Machine Learning for Artists & Musicians* (online course), 2016

*Moholy-Nagy University of Design & Arts / DLA (Doctor in Multimedia Arts)*, 2015

*Moholy-Nagy University of Design & Arts / media design, MA certificate*, 2008

## *Prizes, scholarships, research*

*Combine24 Generative Art Contest* - shortlisted artist, Finnish National Gallery, 2024

*We Love the Art Contest* - 3rd Tier (Generative Art Category), Optimism Foundation, 2024

*Post Doctoral Research Scholarship on Realtime Interactions & Machine Learning*, Moholy-Nagy University of Art & Design (UNKP), 2016 - 2017

*International Committee for Audiovisual and New Image and Sound Technologies* – Special Prize (multimedia), 2015

*Sandarbh Artists Residency* – Partapur, India, 2014

*Festival of Media Global Awards* - Led Printer Drone (Égi Galéria) wins the Golden Medal in *Best Use of Technology* category (interaction design, software implementation), 2014

*Favorite Website Awards* - SoundBow is selected as FWA Mobile of the Day (creative programming), 2012

*1369m<sup>3</sup> Game Development Competition* - Special Prize (creative programming), 2012

*Digitópia International Patching Competition* - 1st prize (visual programming), 2010

*Phd scholarship* - Budapest, Moholy-Nagy University of Art & Design, 2009

*Erasmus scholarship* - Milano, Brera Accademia delle Belle Arte – one semester, 2007

*Intel Duality of Art Competition* - 1st prize (video art), 2006

*Vivatis International Contest* - 3rd prize (mixed media), 2004

*Arc Poster Annual* - 1st prize (graphic design), 2003

## *Selected works (art & technology)*

### 2024 *re-frame*

Description: Long-form generative artwork, collection visualization

URL: <https://highlight.xyz/mint/base:0x681181Da71E15bb24af8c7CBbCA814189e668106>

Technology: Javascript, GLSL

Event & Location: Combine24, Finnish National Gallery (Helsinki, FI)

### *Procedural Drawings*

Description: Algorithmic Plotter Images

URL: <https://www.expanded.art/collections/agoston-nagy-procedural-drawings>

Technology: ink on paper, algorithmic drawing using plotters

Event & Location: EXPANDED.ART Gallery (Berlin, DE)

### *Infinite Sand Sorter*

Description: Kinetic art installation

URL: <https://www.binaura.net/stc/sand-sort>

Technology: modified plotter machine, sand, metal, wood, Raspberry Pi

Event & Location: 12 Hertz Exhibition, Collab, (Budapest, H), R1 Reactor Halle (Stockholm, SE)

### 2023 *Parallels*

Description: Immersive Audiovisual Installation

URL: <https://exindex.hu/en/event/parhuzamok-4>

Technology: Processing (Java), 4-wall panoramic projection, Sound

Event & Location: The House of Arts, (Veszprém, H)

### *Nil*

Description: Generative Installation

URL: <https://volumedao.xyz/generative-taipei-2023>

Technology: digital token (javascript), projection, sound

Event & Location: Generative Taipei On-Site, Hong-Gah Museum (Taipei, TW)

### 2022 *Tur1ng*

Description: Generative Installation

URL: <https://www.fxhash.xyz/generative/slug/tur1ng>

Technology: digital token (javascript), metal, paper, electronics, projection, sound

Event & Location: The Space Exhibition, M21 Gallery, (Pécs, H)

### 2021 *Songlines*

Description: Interactive Sonic Instrument, Lecture Performance

URL: <http://www.binaura.net/songlines>

Technology: Webaudio, WebGL, Javascript

Event & Location: MIT Unfolding Intelligence Symposium (MIT, US), Trafó House (Budapest, H)

### 2019 *Future Meme Device*

Description: A fortune telling machine who likes drawing & create magic realism

URL: <https://www.binaura.net/future-meme-device>

Technology: Plotter Drawing Robot, Python

Event & Location: Artus Contemporary Art Studio (Budapest, H), DA Fest, (Sofia, BG), 2023

- 2018 *Bricolage*  
Description: Lecture performance, sonification, algorithm visualization  
URL: <https://www.binaura.net/bricolage>  
Technology: OpenFrameworks, PureData  
Event & Location: Spectrum (Berlin, D), Ludwig Museum (Budapest, H), ZKM (Karlsruhe, D)
- 2016 *Drives*  
Description: Sound reactive visuals for Hiroaki Umeda's *Drives* performance  
URL: [https://trafo.hu/en/programs/umeda\\_2016](https://trafo.hu/en/programs/umeda_2016)  
Technology: OpenFrameworks
- 2014 *Silence ( शान्ति )*  
Description: Sound Reactive Public Art Installation  
URL: <https://www.binaura.net/silence>  
Technology: Processing, outdoor projection  
Event & Location: Sandarbh Artist Residency, Partapur, India

## *Selected workshops, talks & lectures*

- 2023 *Composable Minds*  
Description: Lecture on Memory invocation techniques without written texts  
Client & Location: IMPACT23 - Ecologies of Attention Symposium, Pact Zollverein (Essen, D)  
URL: <https://paragraph.xyz/@stc/composable-minds>
- Generative Art Workshop*  
Description: Introduction to algorithmic thinking, conditional design and generative art  
Client & Location: The House of Arts, (Veszprém, H)  
URL: <https://github.com/stc/generative-art-workshop>
- 2020 *Graph Camp*  
Description: Working with drawing robots (polarograph, plotters, DIY instruments)  
URL: <https://polarograph.github.io>
- 2018 *DataFaces*  
Description: Data politics, face tracking & creative coding  
Client & Location: EPAM (Budapest, H, Singapore)  
URL: <https://github.com/stc/face-tracking-p5js>
- 2017 *Borrowed Analogies*  
Description: Conference talk on *The role of play and borrowed analogies within today's interactive media experience*  
Client & Location: CILECT Conference, Zürich  
URL: <https://cilect.org>
- 2015 *Making Sonic Instruments*  
Description: Designing sound based interfaces, sonification and visual music using Processing & Pure Data  
Client & Location: ISEA, Vancouver, Canada, ICAD, Graz, Austria  
URL: <https://www.binaura.net/stc/ws/isea>

## Applied Works

### 2024 *FUTURESENSE*

Description: Curating a group exhibition of student works for Ars Electronica SPLACE Gallery

Technology: Selection process, Organizing protocols, Installation

Client: MOME / Ars Electronica

Location & Time: SPLACE Gallery, Linz, Austria, 2024

URL: <https://ars.electronica.art/hope/en/futuresense/>

### 2021 *Matter, Non-Matter, Anti-Matter*

Description: Interactive sound design & programming for *Iconoclash* virtual exhibition environment

Technology: Javascript, Web Audio

Client: Center for Art and Media (ZKM)

Location & Time: Tallinn Art Hall, Tallinn, Estonia, 2021

URL: <https://beyondmatter.eu/antimatter>

### 2020 *Augmented Data Sculpture*

Description: Augmented reality application for 3D printed network sculptures

Technology: OpenFrameworks, ARKit, iOS

Client: Barabási Lab, MOME, Ludwig Museum Budapest

Location & Time: Ludwig Museum, Budapest, Hungary, 2020

URL: <https://medium.com/swlh/augmenting-network-sculptures-9e3585ebad06>

### 2018 *Wagner Days*

Description: Sound reactive visualization

Technology: OpenFrameworks, Pure Data

Client: MÜPA, Palace of Arts, Ogilvy

Location & Time: MÜPA, Palace of Arts, Budapest, Hungary, 2018

URL: <https://www.youtube.com/watch?v=EAYUhgAYa60>