

# Kamron Saniee

## *Composer, Writer, and Researcher*

kamron.saniee@gmail.com

### **Education**

Columbia University. PhD Fellow, Machine Learning (2019 – 2022). M.A. (2021)

École Normale Supérieure de Paris. Visiting Student (2011 – 2012)

Princeton University. A.B., Theoretical Mathematics and Media Theory (2009 – 2013)

### **Teaching & Guest Lectures**

Parsons School of Design, The New School. Part-Time Faculty (2023 – 2024)

Developed and co-taught *Immersive Soundscapes*, a studio course introducing spatial audio and sonic phenomenology.

Supervised individual and group projects, guiding students through thematic spatial sound composition.

Columbia University. Graduate Student Worker / Teaching Assistant (2019 – 2022)

Yale University, Center for Collaborative Arts and Media. Invited lecture on spatial sound composition (2018)

IKKM / Bauhaus University, Weimar, DE. Invited lecture in the conference *The Algorithm as Cultural Technique* (2018)

NEW INC, The New Museum, New York. Invited lecture on on audio AI for the critical technology collective ArtSec (2015)

### **Artistic Practice & Residencies (Selected)**

*LUCA* (2025), Management Gallery. Original soundtrack composition for a collaboration with sculptor Anastasia Komar.

Featured by The New York Times in *What to see in NYC Galleries in May 2025*, with a review by Seph Rodney.

*Angel Express (Album, 2024)*. Published by NYC label *unseele*. Featured in The Fader's *Songs You Need In Your Life*.

*Euphoric Studies (Album, 2021)*. Published by SVS Records (DE). Recommended by Resident Advisor in April 2021, with a review by Matthew McDermott.

Red Bull Music Academy 2016. One of 39 international artists selected for the prestigious residency, held in Montreal.

The Spatial Sound Institute, Budapest (2016): Developed and presented a multichannel composition in 4DSOUND.

Curation and performances (2015 – 2024): Organized numerous public events and installations for spatial music, presented at venues including Fridman Gallery, The Knockdown Center, Future Space, and the Yokohama Performing Arts Meeting, and concerts featuring emerging and established artist-producers, including the original series *K.O.! at The Shaolin Temple*.

### **Industry Experience (Selected)**

**Hypelist** New York *Director of Machine Learning* (2024 – Present)

Designed and deployed algorithms for cultural discovery for a fast-growing social media platform.

Ideated product features and led a developer team to build personalization systems prioritizing human-in-the-loop curation.

**Harmonic Mean LLC** New York *Founder and Chief Applied Scientist* (2024 – Present)

Creative tech development: Released *xoFocus*, an iPhone app exploring AI-enhanced reading.

Consulting: Engaged as a fractional director and advisor for multiple technology/media startups and venture studios.

**TikTok / ByteDance** New York *Senior/Staff Data Scientist (Content)* (2022 – 2024)

Cultural Analytics: Conducted the first semantic analysis of viral music trends using Speech and Audio AI.

Strategic Impact: Engineered models that fused algorithmic distribution with creator-centric operations, notably amplifying the Cannes Film Festival to a globally promoted event on TikTok following signoff by global leadership.

**International Brain Lab** New York *Researcher* (2021 – 2022)

Researched the decoding of neural activity with AI models to predict behavior, contributing to the development of open-source tools for neurophysiology. Publications in Neuromatch conference proceedings and Nature Methods.

### **Selected Publications and Patents**

Nature Methods (2024): "Lightning Pose: improved animal pose estimation via semi-supervised learning."

Nature Methods (2023): "A modular architecture for organizing, processing and sharing neurophysiology data."

Neuromatch (2021). "Modelling C. elegans neural activity with Bayesian neural networks."

U.S. Patent (2021): "Data-driven features via signal clustering" (No. 11055319).

SIAM Undergraduate Research Journal (2007): "A Simple Expression For Multivariate Lagrange Interpolation."

"On the possibility of a Metrischwille for spatial systems" (2013). Nova Organa Journal of Architecture, Princeton.