Jan Zuiderveld

warana.xyz | jan@warana.xyz | LinkedIn | GitHub | Instagram

I am a researcher, engineer and artist with an academic background counting degrees in Physics, Electrical Engineering, Neuropsychology, Artificial Intelligence and ArtScience. My professional history includes leading a machine learning team specializing in speech-to-intent systems and extended hands-on experience as both a researcher and an engineer in the field of generative AI.

SELECTED EXPERIENCE

Independent Artist & Researcher
November 2019 – Present

Warana *Amsterdam, NL*

- In my artistic endeavors I explore the intersection of technology and life, creating interactive installations that invite reflection on the essence of being. My projects often endow things with a spark of life, challenging perceptions of existence. My approach is characterized by playful engagement with artificial intelligence, seeking to emulate the behaviors of living beings in a way that resonates with and surprises both myself and my audience, blurring the lines between the animate and the inanimate.
- I conduct and openly publish independent research in the field of generative AI, e.g. "Style-Content Disentanglement in Language-Image Pretraining Representations for Zero-Shot Sketch-to-Image Synthesis".

Guest Lecturer
September 2023 – December 2023

Royal Conservatoire & Royal Academy of Art *The Hague, NL*

- As a guest lecturer at the ArtScience Interfaculty, I was invited to share my expertise in the field of large language models (LLMs) for the course "Introduction to Large Language Models" part of "Bootstrapping Computational Arts". My role involved delivering engaging and informative lectures to students, focusing on the fundamentals, applications, and implications of LLMs in various domains.

Head of Machine Learning
February 2019 – July 2022

QV Technologies *Amsterdam, NL*

- Nominated for the Horecava Innovation Award 2020.
- Participated in the Demonstrator Lab Incubation program at Vrije Universiteit Amsterdam.

Machine Learning Researcher
January 2021 – September 2021

Amsterdam Machine Learning Lab (AMLab) *Amsterdam, NL*

- Amsterdam Machine Learning Lab (AMLab) conducts research in the area of large scale modelling of complex data sources, directed by M. Welling.

Teaching Assistant
November 2020 – January 2021

University of Amsterdam *Amsterdam, NL*

- For the Deep Learning course within the UvA's MSc Artificial Intelligence program, I facilitated students' learning and comprehension of advanced deep learning concepts and techniques through seminars.

SELECTED EDUCATION

MMus - Master of Music, ArtScience
September 2021 – July 2023

Royal Conservatoire The Hague & Royal Academy of Art

- Thesis: Unraveling Artificial Creativity - Exploring the Creative Potential of Large Language Models

MSc - Master of Science, Artificial Intelligence
September 2018 – July 2021

University of Amsterdam (Cum Laude)

- Thesis: Representing Audio in a Distribution of Continuous Functions
- Prestigious Research Master with a strong focus on the theoretical aspects of machine learning and information theory. Ranked 1st in the Netherlands and top 10 in Europe among Artificial Intelligence departments by QS.

SELECTED AWARDS

Prix Ars Electronica, Interactive Art +, Honorary Mention (2024)

iii Research Residency Award (2023)

Oral Presentation at NeurIPS, Deep Generative Models and Downstream Applications (2021)

Selected Exhibitions

Coffee Machine	2026
Digital is Forever	
KUMU Art Museum (Tallinn, EE)	
Copy Machine	2025
Artificial vs. Intelligence	
The Media Majlis at Northwestern University in Qatar (Doha, QA)	
Coffee Machine	2024
Flux Festival	
Audrey Irmas Pavilion (Los Angeles, US)	
Camera + Theatre	2024
Respirare	
SIGN (Groningen, NL)	
Conversations Beyond the Ordinary (Coffee Machine, Copy Machine & Microwave)	2024
Prix Ars Electronica Exhibition	
Lentos Museum (Linz, AT)	
Coffee Machine	2024-2026
Dutch, More or Less. Contemporary Architecture, Design and Digital Culture	
Het Nieuwe Instituut (Rotterdam, NL)	
Coffee Machine	2024
Beyond the Black Box	
De Brakke Grond (Amsterdam, NL)	
Coffee Machine & Copy Machine	2024
Het Einde	
De School (Amsterdam, NL)	

Selected Presentations / Courses

Guest Lecture for Jesse Damiani's class *Art in Postreality*	2024
USC Cinematic Arts (Los Angeles, US)	
Artificial Physical Intelligence	2024
Ars Electronica (Linz, AT)	
Interview on Current Practice	2024
[Bits of Freedom Podcast](#)	
Seminar on Neural Network Composability	2024
UNI_VERSE STUDIO (Amsterdam, NL)	
Jan Zuiderveld, Coffee Machine and Microwave	2023
[Mini Documentary for iii's Research Residency Award](#)	
Interview on Current Practice	2023
[Cross Pollination Podcast](#)	
Introduction to Large Language Models, Course for ArtScience Interfaculty	2023
Royal Academy of Art & Royal Conservatoire (The Hague, NL)	
Artificial Intelligence - Beyond the Doomsday Scenarios, Back to Reality	2023
Dutch Design Week for Waag Futurelab (Eindhoven, NL)	
Towards Lightweight Controllable Audio Synthesis	2021
NeurIPS (Vancouver, CA)	

Selected Publications

[Style-Content Disentanglement in Language-Image Pretraining Representations for Zero-Shot Sketch-to-Image Synthesis.](#)
J. Zuiderveld

[Towards Lightweight Controllable Audio Synthesis using Conditional Implicit Neural Representations.](#)
J. Zuiderveld, M. Federici, E. J. Bekkers