



AHNJILI ZHUPARRIS, PHD

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OBJECTIVE

As an AI engineer, artist, and science communicator, I enjoy exploring and experimenting with different art forms that use data, AI, and surveillance technologies. Together, I use these components to push boundaries and provoke discussion and reflection on topics such as predictive policing, voice and identity, digital surveillance, and Afrofuturism. To achieve this, I aim to create innovative and thought-provoking projects, collaborate with other artists and experts in different fields, and share my knowledge and skills through workshops and teaching.

SKILLS

Programming languages: Python, R, Javascript

Machine Learning Tasks: Computer Vision, Generative AI, Voice Cloning and Analysis

Languages: English, Mandarin (B1), Dutch (B1)

ART AWARDS

PROCESSING FELLOWSHIP: SCREEN-TO-SOUNDSCAPE

JUNE 2024

The Processing Foundation's 2024 Fellowship Program is themed 'Sustaining Community: Expansion & Access.' This year, the foundation supported innovative projects from artists, designers, activists, educators, engineers, researchers, coders, collectives, and many more, who are working at the intersection of creative technology, art, and open-source software. More information about the selected project, Screen-to-Soundscape can be found below.

MOZILLA CREATIVE MEDIA AWARDS: FUTURE WAKE

DECEMBER 2021

Future Wake (www.futurewake.com) is an interactive art project turns the practice of predictive policing upside down, instead, it allows citizens to predict police brutality. I used to machine learning to predict who, when and how the next victim would die. Further, I used deepfake algorithms to generate the faces of the next victims.

FUNDED ART PROJECTS

SCREEN-TO-SOUNDSCAPE

JUNE 2024

Screen-to-Soundscape adopts a creative and experimental approach to reimagining screen reader voices. The project aims to develop a speculative design prototype that transforms a browser or screen into an immersive soundscape. The motivation behind this initiative is to overcome the inherent limitations of traditional screen readers by offering users with visual impairments a more intuitive and immersive way to navigate digital content. This project was funded by Constant, the Processing Foundation, and the Stimulerings Fonds.

SHIBBOLETH: CREATION OF A HYBRID VOICE

NOVEMBER 2022

We produced a 'dual voice' - that transforms fluidly from a recognizable voice of Speaker A to a voice of a Speaker B while speaking. With the "switch" happening at points of sonic uncertainty in the voice output, where a certain articulation or tonal quality could belong to either speaker. The generated algorithm was used in the 'The 8th Letter' theater performance of Effi and Amir (November 2022/ <https://effiandamir.net/index.php?id=538>).

ART RESIDENCIES

IMPAKT: CODE

JANUARY TO SEPTEMBER 2023

VOICES is an art installation that explored issues relating to voice privacy and voice ownership by enabling audience members to encrypt their recorded secrets in another person's voice. The installation challenged the visitors to consider the implications of recreating the voice of the deceased or cloning voices of living individuals without their consent. Presented at CPDP conference and Ars Electronica Festival 2023.

ART EXHIBITIONS

CICA MUSEUM NMAC: Fashion Police Drones

JUNE 2024

Fashion Police Drones transforms drones into arbiters of fashion, inviting the audience to set the criteria for fashion norms through an interactive platform. As these drones patrol the gallery, they actively scan for and monitor attendees whose attire matches the audience-defined standards of fashion faux pas, ranging from light-hearted to culturally contentious.

ARS ELECTRONICA: VOICES

SEPTEMBER 2023

For this immersive experience, participants were encouraged to share a secret in a confession booth. Their voices were then cloned, and this cloned voice would reveal another individual's secret, illustrating a daisy chain of anonymous secret sharing. This innovative concept emphasizes the fluidity and vulnerabilities of personal identity in the age of technology. This exhibition was supported by IMPAKT, Transmediale, Werktank, and the EFFEA.

ART WORKSHOPS

HKU: INTRODUCTION TO COMPUTER VISION-BASED SURVEILLANCE

DECEMBER 2023

In this course, participants learned to see an image through the eye of a computer. We explored how computers extract information such as biometrics, emotions, objects, and locations. These algorithms have been used to detect adult content, violent images, identify specific brands, and to identify and analyze human faces.

iii: INTRODUCTION TO GENERATIVE ART

OCTOBER 2022

In this workshop, participants learned about how to use and customize Generative Adversarial Networks (GANs) for text-to-text generation, text-to-image generation, and image-to-image generation.

EDUCATION

LEIDEN UNIVERSITY, NETHERLANDS

2020-2024

Doctor of Philosophy (PhD) in Medicine

RADBOD UNIVERSITY NIJMEGEN, NETHERLANDS

2015-2017

Research Master's Degree in Cognitive Neuroscience

UNIVERSITY OF EDINBURGH, UNITED KINGDOM

2011-2015

Biomedical Bachelor's Degree with Honours in Neuroscience

PUBLICATIONS

Wevers, R. ((forthcoming) Embodying Data, Shifting Perspective: a conversation with Ahnjili Zhuparris on Future Wake. In: Doing Digital Migration Studies. Edited by Ponzanesi, S. and Leurs, Koen. Amsterdam: Amsterdam University Press.