

Ashley Noel-Hirst

Artist, Designer, and PhD Researcher in Artificial Intelligence and Music - noelhirst.net

Education

PhD, Artificial Intelligence & Music, Queen Mary University of London 2027 (Expected)

MMus (with Distinction), Sonic Arts, Goldsmiths College University of London 2022

BA (First-Class), Philosophy (Minor in Mathematics), University of Warwick 2020

Research Experience

Research Assistant, [Goldsmiths Mocap Streamer](#) (AHRC) 2021–2023

- Developed software to support streaming of motion capture data
- Investigated the impacts and potentials of telematic dance performance with a number of ethnography techniques (workshop, observation and interview)
- Body sonification and interactive sound design for an [artistic intervention](#) in accessibility of metaverse technologies
- Contributed to publications (Pending Review for DIS 2024), presented at Being Human festival (performance) and SXSW (performance and panel)

Research Assistantship – AI and Music, University of Oxford Summer 2021

- Summer research assistantship between Oxford's biology and music departments
- Applying models of group behaviour (flocking, f-formations, fluid dynamics) to new interfaces for musical expression (NIMES)

Intern – HybridLive (AHRC), Goldsmiths College, Stanford, Iklectik, SFJazz Spring 2021

- Part of mentorship by Prof Atsu Tanaka
- Technically facilitated of performance-led research into telematic jazz performance at Iklectik Art Lab
- Assisted ethnographic interviews with performers

Intern – Signal Processing for Sepsis Diagnosis, University of Surrey/Kings College London Summer 2015

- Wrote Matlab code for processing real biomedical signal data
- With applications in machine learning, this work was continued without me, and eventually presented at the Fields Institute

Professional Experience

Demonstrator – Interactive Digital Multimedia Techniques, QMUL; User Experience Design, QMUL; Interactive and Generative Music, Goldsmiths

Producer-Educator (Music), Create Define Release

Assistant Producer, Holocaust Galleries at Imperial War Museums

Assistant Producer – “Young Tech Lab”, Iklectik Art Lab in collaboration with Queen Mary Augmented Instruments Lab

Student Engineer, Goldsmiths Music Studios

Workshop Technician, Harris Academy Wimbledon

Audio-Visual Technician, Warwick Arts Centre

Grants/Awards

[Latent spaces for human-AI music generation \(EPSRC Studentship\)](#)

Future Arts and Culture (Arts Council England)

Goldsmiths Excellence Fee Waiver

NME's 100 Essential Emerging Artists for 2021

Goldsmiths Music Performance Award (part-scholarship)

Warwick Arts Centre Jazz Performance Award (part-scholarship)

Performances/Demos

On Drums and/or Electronics: SXSW – Austin, Texas 2023 ; o2 Ritz Manchester (with Malady and Wet Leg) 2022 ; o2 Institute Birmingham 2022 ; Leeds Beckett Students Union Leeds 2022 ; Color Factory London (with Malady and Sam Akpro) 2022 ; Junction Cambridge (with Malady and Swim Deep) 2022 ; The Crescent York 2022 ; Cluny Newcastle 2022 ; 100 Club London 2022 ; CSTC Symposium – Iklectik London 2022 ; The Standard London 2021 ; EFG London Jazz Festival 2021 ; Notting Hill Carnival (with Kinetica Blocco) 2021 ; Royal Albert Hall (with Ezra Collective) 2020 ; Ronnie Scotts London 2020 ; Drapers Coventry (residency) 2019 ; Copper Rooms Coventry 2019 ; Bedford Street Leamington Spa (residency) 2017–2019 ; Zephyr Lounge Leamington Spa (residency) 2017–2019

On Voice and/or Guitars: Zephyr Lounge Leamington Spa (residency) 2017–2019 ; Defunct Club in Coventry 2018 ; Leif Tea Rooms Leamington Spa 2018 ; Four Quarters Coventry 2017 ; Copper Rooms Coventry 2017 ; Crystal Palace Jazz Festival 2016

Presentations/Publications

Corey John Ford, Ashley Noel-Hirst, Berker Banarr and Nick Bryan-Kinns. Autoethnographic Explorations of Using a Folk Generative AI Plugin for Making Punk and Glitch Music – Pending Review

Ashley Noel-Hirst and Nick Bryan-Kinns. An Autoethnographic Exploration of XAI in Algorithmic Composition. In *The 1st International Workshop on Explainable AI for the Arts (XAIxArts)*, ACM Creativity and Cognition (C&C) 2023 . Online, 3 pages. <https://xaixarts.github.io>

Kat Hawkins, Clarice Hilton, Ashley Noel-Hirst, Daniel Strutt Dance in the Metaverse: Tools for Accessibility (panel), at SXSW 2023 . Texas USA. <https://schedule.sxsw.com/2023/events/PP127701>

Particular Granulator – Collaborating on Sonic Spaces with Granular Synthesis and Particle Systems at *Goldsmiths Centre for Sound, Technology and Culture Symposium* 2021

Grain FM – An Anonymous Sampling Radio for Machine-Led Plunderphonics at the University of Aberdeen SERG 2021

Comfortably NumPy – Music, Algorithms and AI at *Oxford University UNIQ+ Conference* 2021

(Acknowledgement) Beyond HRV: Interactive attractor reconstruction with cardiovascular waveform data at *the Science Museum and Imperial College London* 2016