

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 Atau 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. 2023. 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>

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