

Justin Kuhn

Email: jkuhn001@gold.ac.uk, justintkuhn@gmail.com
LinkedIn: <https://www.linkedin.com/in/justin-kuhn-media-30b9/>
Portfolio: <https://justinkuhn.media>

Justin Kuhn is an audiovisual artist, developer, and community organizer currently completing a MA in Computational Arts at Goldsmiths, University of London. Their current interests include audiovisual live coding, sonification, and computational governance through smart contracts. They have professional experience with website design, virtual reality, sound design, and teaching.

Professional Experience

- 2019-2021 **Immersive Media Support Specialist, NC State University**
360 Video, Ambisonics production for college level classrooms
In-Browser 3D Visualization of molecules
Map-based web interface for exploring immersive media
- 2018-2021 **Freelance Digital Media Services, Justin Kuhn Media**
Volunteer website design/maintenance for non-profits
Volunteer photography/videography for local music
Paid contract to build VR website
- 2020 **Data Visualization Teaching Assistant, 2U Coding Boot Camp**
- 2018-2019 **Junior Edge Network Engineer, Verizon**
- 2016-2017 **iBionicS Research Assistant, NC State University**
Animal-Computer Interaction Research
Matlab Audio Digital Signal Processing
-

Academics

Goldsmiths, University of London - Computational Arts MA, Class of 2022
President, Hacksmiths Tech Society
Host, The Saxodrone Show on Wired Radio

North Carolina State University - Electrical Engineering B.S., Class of 2018

North Carolina State University - Arts Studies B.A., Class of 2018

Technical Skills

Web Development: HTML/CSS/JS, Git, Tone.js, Three.js, React, Node.js, Docker, Web3 (Hardhat, ethers, Solidity), Flask, Webpack

Art/Music/Machine Learning: Graphics (C++ / OpenFrameworks, Processing/P5.js, GLSL), Audio Synthesis (SuperCollider, Max/MSP, Tidalcycles), Data Science/ML (Pandas, Matplotlib, Matlab, D3.js),

Media Production: Adobe Premiere, Photoshop, After Effects, Audition, Digital Audio Workstations (Reaper), Spatial Audio, VR Video

Scholarships

Diversity Scholarship - Audio Developer Conference 2021, London UK

Benjamin Franklin Program - North Carolina State University
Dual-Degree Program through Colleges of Engineering & Humanities

Fellowships

2021 Kernel Block 4 Fellow (<https://kernel.community>)

2019 Kepler Concordia Launchpad Artist-In-Resident (<https://concordia.world>)

Conferences & Proceedings

Kuhn, Justin. (2019) Sonification as Activism: A Spatial Sonification of School Shootings Since Columbine, Concert Performance, 25th International Conference on Auditory Display, Northumbria University, Newcastle-upon-Tyne, UK.

Brugarolas R, Yuschak S, Kuhn J, Adin D, Roberts DL, Sherman BL, Bozkurt A. (2018) Simultaneous Monitoring of Heart Rate and Respiratory Patterns During Scent Detection Tasks, IEEE Transactions of Biomedical Engineering.

Sherman BL, Joyner J, Yuschak, S, Walker K, Kuhn J, Majikes J, Ru H, Mealin S, Brugarolas R, Roberts D, Bozkurt A. Responses of anxious dogs to a simple behavior modification protocol while waiting in a veterinary hospital. Proceedings of the 11th International Veterinary Behaviour Meeting, Samorin, Slovakia, September 14, 2017, pp 26-27.

Fulp J, Sherman BL, Roberts DL, Bozkurt A, MacHaffie E, Kuhn J, Pappas T, Keller D, Cleghem Z, Yuschak S, Walker K. Crate Training Dogs Using a Computer Assisted Training System. Poster Presentation, Proceedings of the 18th Annual National Veterinary Scholars Symposium, National Institutes of Health (NIH), Bethesda, MD, August 3-5, 2017, p.138.

Yuschak S, Joyner J, Walker K, Brugarolas R, Kuhn J, Foster M, Majikes J, Ru H, Roberts D, Bozkurt A, Sherman B. Behavioral and physiological responses of anxious dogs to a simple behavior modification protocol while waiting in a veterinary hospital. Proceedings of the 2017 Veterinary Behavior Symposium, Indianapolis, IN, July 20, 2017, page 11.

Artist Exhibitions

2021 Page Turner. Backslash Lit [Webzine] (<https://backslashlit.com/issues/5/justin-kuhn>)

2020 The Art of Tech VR Gallery (2020), <https://create-empathy.org/technology> (Group Exhibition)

2018 The Creative Coding Collective Group Exhibition, Hunt Library Teaching and Visualization Lab, North Carolina State University