

Justin Kuhn

Email: justintkuhn@gmail.com

LinkedIn: <https://www.linkedin.com/in/justin-kuhn-media-30b9/>

Portfolio Website: <https://justinkuhn.media>

Professional Experience

- 2022 **Creative Technologist, Pearlfisher**
Front-end Development using Typescript React
Interaction Design
- 2019-2021 **Immersive Media Support Specialist, NC State University**
360/VR Video, Ambisonic Productions for College-level Classrooms
Web-Based 3D Visualizations with Three.js
Map-Based Web Interface for Exploring Immersive Media
- 2018-2021 **Freelance Digital Media Services, Justin Kuhn Media**
Paid contracts for 3D Websites, Video, Web Design
Volunteer Web Design for Non-Profits
Volunteer Photography & Videography for Local Music
- 2016-2017 **iBionicS Research Assistant, NC State University**
Animal-Computer Interaction Research
Audio DSP in MATLAB, Python

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

Conference 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.

Technical Skills

Art/Music/Machine Learning: Graphics (C++ / OpenFrameworks, Processing/P5.js, GLSL), Audio Synthesis (SuperCollider, MaxMSP, Tidalcycles), Data Science/ML (Python3, Pandas, Matplotlib, MATLAB, D3.js, RapidLib)

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

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>)

Selected Performances & Installations

2022 5.1 Sound for Immersive Installation. The Synaesthesia Room, <https://www.thesynaesthesiaroom.com/about>

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

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