

Mason Youngblood

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Positions

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| Stony Brook University, Institute for Advanced Computational Science | Stony Brook, NY |
| Postdoctoral Fellow | Aug 2023 – present |
| Max Planck Institute for Geoanthropology, Minds & Traditions Research Group | Jena, DE |
| Postdoctoral Researcher | May 2021 – May 2023 |
| Other Affiliations | |
| • University of Tennessee, Center for the Dynamics of Cultural Complexity | |
| External Researcher (May 2025 – present) | |

Education

(CUNY = City University of New York)

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| PhD | Graduate Center, CUNY , Animal Behavior and Comparative Psychology | New York, NY |
| | Dissertation: "From psychology to phylogeny: bridging levels of analysis in cultural evolution" | Apr 2021 |
| | • Finalist, Richerson Award for Best PhD in Cultural Evolution (2022) | |
| MPhil | Graduate Center, CUNY , Psychology | New York, NY |
| | | Feb 2020 |
| MA | Hunter College, CUNY , Psychology | New York, NY |
| | | Jan 2018 |
| BS | University of South Carolina, Honors College , Biology | Columbia, SC |
| | • Minors in Neuroscience and Anthropology | May 2015 |
| | • 3.87 GPA | |

Teaching

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| Queens College, CUNY | Flushing, NY |
| Teaching Assistant | Fall 2017 – Spring 2021 |
| • Introduction to College Biology (BIOL 011): Spring 2020 (3 credits), Fall 2019 (3 credits), Spring 2019 (6 credits) | |
| • Principles of Evolutionary Biology (BIOL 287 & 587): Fall 2020 (6 credits), Fall 2019 (3 credits), Fall 2018 (6 credits), Fall 2017 (3 credits) | |
| • Animal Behavior (BIOL 345W & 685): Spring 2021 (3 credits), Spring 2018 (4 credits) | |
| Hunter College, CUNY | New York, NY |
| Instructor | Fall 2016 – Spring 2017 |
| • General Experimental Psychology (PSYCH 25000): Spring 2017 (4 credits), Fall 2016 (4 credits) | |
| Hunter College, CUNY | New York, NY |
| Teaching Assistant | Fall 2015 – Spring 2016 |
| • General Experimental Psychology (PSYCH 25000): Spring 2016 (4 credits), Fall 2015 (4 credits) | |
| • Neuroscience (PSYCH 22400): Spring 2016 (3 credits) | |
| • Personality Psychology (PSYCH 22000): Fall 2015 (3 credits) | |
| Guest Teaching (Lectures) | |
| • Stony Brook University, AI and Creativity (Stony Brook, NY, Sept 2025): AI tools for creatives in music and audio | |
| • Stony Brook University, Philosophy of Technology (Stony Brook, NY, Dec 2023): Negativity bias in the spread of voter fraud conspiracy theory tweets during the 2020 US election | |
| • Keio University, Evolution and Music (Tokyo, JP, Dec 2023): Cultural evolutionary approaches to the study of contemporary music | |
| • Queens College, CUNY, Animal Behavior (Flushing, NY, May 2021): Cultural evolution | |
| • Queens College, CUNY, Principles of Evolutionary Biology (Flushing, NY, Nov 2020): Cultural evolution | |

- Queens College, CUNY, Principles of Evolutionary Biology (Flushing, NY, Sept 2018): Genes, development, and environment
- Queens College, CUNY, Principles of Evolutionary Biology (Flushing, NY, Nov 2017): Cultural evolution

Guest Teaching (Coding Workshops)

- Genspace, Community Biology Lab (Brooklyn, NY, Jan 2023): Models of cultural transmission in human populations
- University of Amsterdam, Social Learning Across the Lifespan and Generations (5th ESLR Workshop) (Amsterdam, NL, July 2022): Biased transmission and transformation in the cultural evolution of birdsong
- École Normale Supérieure, École des Hautes Études en Sciences Sociales (Paris, FR, Apr 2022): Biased transmission and transformation in the cultural evolution of birdsong
- Genspace, Community Biology Lab (Brooklyn, NY, Mar 2022): Models of cultural transmission in human populations
- Genspace, Community Biology Lab (Brooklyn, NY, May 2021): Models of cultural transmission in human populations

Publications

JOURNAL ARTICLES

1. Wascher, C. and **Youngblood, M.** Vocal efficiency in crows. *Animal Cognition*. [10.1007/s10071-025-01985-8](https://doi.org/10.1007/s10071-025-01985-8) 2025
2. Whiten, A. and **Youngblood, M.** Convergent evolution in whale and human vocal cultures. *Science*. [10.1126/science.adv2318](https://doi.org/10.1126/science.adv2318) 2025
3. **Youngblood, M.** Language-like efficiency in whale communication. *Science Advances*. [10.1126/sciadv.ads6014](https://doi.org/10.1126/sciadv.ads6014) 2025
4. Pitocchelli, J., Albina, A., Bentley, R.A., Guerra, D., and **Youngblood, M.** Temporal stability in songs across the breeding range of *Geothlypis philadelphia* (mourning warbler) may be due to learning fidelity and transmission biases. *Ornithology*. [10.1093/ornithology/ukae046](https://doi.org/10.1093/ornithology/ukae046) 2025
5. Kornreich, A., Partridge, D., **Youngblood, M.**, and Parkins, K. Rehabilitation outcomes of bird-building collision victims in the Northeastern United States. *PLoS ONE*. [10.1371/journal.pone.0306362](https://doi.org/10.1371/journal.pone.0306362) 2024
6. Sobchuk, O., **Youngblood, M.**, and Morin, O. First-mover advantage in music. *EPJ Data Science*. [10.1140/epjds/s13688-024-00476-z](https://doi.org/10.1140/epjds/s13688-024-00476-z) 2024
7. **Youngblood, M.** Language-like efficiency and structure in house finch song. *Proceedings of the Royal Society B*. [10.1098/rspb.2024.0250](https://doi.org/10.1098/rspb.2024.0250) 2024
8. **Youngblood, M.**, Stubbersfield, J.M., Morin, O., Glassman, R., and Acerbi, A. Negativity bias in the spread of voter fraud conspiracy theory tweets during the 2020 US election. *Humanities and Social Sciences Communications*. [10.1057/s41599-023-02106-x](https://doi.org/10.1057/s41599-023-02106-x) 2023
9. **Youngblood, M.**, Miton, H., and Morin, O. Statistical signals of copying are robust to time-and space-averaging. *Evolutionary Human Sciences*. [10.1017/ehs.2023.5](https://doi.org/10.1017/ehs.2023.5) 2023
10. Benjamin, F.J. et al. and **Youngblood, M.** All intelligence is collective intelligence. *Journal of Multiscale Neuroscience*. [10.56280/1564736810](https://doi.org/10.56280/1564736810) 2023
11. **Youngblood, M.** and Lahti, D.C. Content bias in the cultural evolution of house finch song. *Animal Behaviour*. [10.1016/j.anbehav.2021.12.012](https://doi.org/10.1016/j.anbehav.2021.12.012) 2022
12. **Youngblood, M.**, Baraghith, K., and Savage, P.E. Phylogenetic reconstruction of the cultural evolution of electronic music via dynamic community detection (1975–1999). *Evolution & Human Behavior*. [10.1016/j.evolhumbehav.2021.06.002](https://doi.org/10.1016/j.evolhumbehav.2021.06.002) 2021
13. Kornreich, A., **Youngblood, M.**, Mundinger, P.C., and Lahti, D.C. Female song can be as long and complex as male song in wild house finches (*Haemorrhous mexicanus*). *The Wilson Journal of Ornithology*. [10.1676/19-00126](https://doi.org/10.1676/19-00126) 2020
14. **Youngblood, M.** Extremist ideology as a complex contagion: the spread of far-right radicalization in the United States between 2005 and 2017. *Humanities & Social Sciences Communications*. [10.1057/s41599-020-00546-3](https://doi.org/10.1057/s41599-020-00546-3) 2020
15. **Youngblood, M.** A Raspberry Pi-based, RFID-equipped birdfeeder for the remote monitoring of wild bird populations. *Ringing & Migration*. [10.1080/03078698.2019.1759908](https://doi.org/10.1080/03078698.2019.1759908) 2019
16. **Youngblood, M.** Conformity bias in the cultural transmission of music sampling traditions. *Royal Society Open Science*. [10.1098/rsos.191149](https://doi.org/10.1098/rsos.191149) 2019
17. **Youngblood, M.** Cultural transmission modes of music sampling traditions remain stable despite delocalization in the digital age. *PLoS ONE*. [10.1371/journal.pone.0211860](https://doi.org/10.1371/journal.pone.0211860) 2019
18. **Youngblood, M.** and Lahti, D. A bibliometric analysis of the interdisciplinary field of cultural evolution. *Palgrave Communications*. [10.1057/s41599-018-0175-8](https://doi.org/10.1057/s41599-018-0175-8) 2018

BOOK CHAPTERS

19. **Youngblood, M.**, Ozaki, Y., and Savage, P.E. Cultural evolution and music. *The Oxford Handbook of Cultural Evolution*. [10.1093/oxfordhb/9780198869252.013.42](https://doi.org/10.1093/oxfordhb/9780198869252.013.42) 2023

PREPRINTS

20. **Youngblood, M.** Zebra finches transform random songs to exhibit linguistic laws. *PsyArXiv*. [10.31234/osf.io/m6z23_v1](https://doi.org/10.31234/osf.io/m6z23_v1) 2025
21. **Youngblood, M.**, Marie, A., and Morin, O. Status quo conservatism: A theory and a model. *SocArXiv*. [10.31234/osf.io/ngb58](https://doi.org/10.31234/osf.io/ngb58) 2025
22. Savage, P.E. et al... **Youngblood, M.**... Does singing enhance cooperation more than speaking does? A global experimental Stage 1 Registered Report. *PsyArXiv*. [10.31234/osf.io/pv3m9](https://doi.org/10.31234/osf.io/pv3m9) 2024
23. **Youngblood, M.** and Passmore, S. Simulation-based inference with deep learning shows speed climbers combine innovation and copying to improve performance. *PsyArXiv*. [10.31234/osf.io/n3rvk](https://doi.org/10.31234/osf.io/n3rvk) 2024
24. GomezdeTorre Clavel, Macarena G, **Youngblood, M.**, and Lahti, D. Relationship between personality and cognitive traits in domestic rabbits (*Oryctolagus cuniculus*). *bioRxiv*. [10.1101/2020.10.12.336024](https://doi.org/10.1101/2020.10.12.336024) 2020

Presentations

Invited Talks (since 2023)

- University of Tennessee, Center for the Dynamics of Social Complexity (Knoxville, TN, September 2025): Dynamics of collective creativity in AI art competitions
- Santa Fe Institute, Building a Science of Cultural Evolution for the 21st Century (Santa Fe, NM, May 2025): Social learning biases—from theory to inference
- Stony Brook University, Institute for Advanced Computational Science, Collective Creativity Workshop (Stony Brook, NY, Apr 2025): Creativity and innovation in cultural evolution
- Graduate Center, CUNY, Cognitive and Comparative Psychology Colloquium (New York, NY, Feb 2025): Complexity and efficiency in animal communication
- University of Miami (Coral Gables, FL, Feb 2025): Lyrai: building digital twin for acoustic design
- Goldsmiths, University of London, Science of the Creative and Performing Arts Group (London, UK, Sept 2024): Complexity in birdsong—using science to illuminate its origins, and art to motivate its conservation
- University of Oxford, Edward Grey Institute of Field Ornithology (Oxford, UK, Sept 2024): Complexity in birdsong—using science to illuminate its origins, and art to motivate its conservation
- Diverse Intelligences Summer Institute, Storyteller Salon (St. Andrews, UK, July 2024): Synthesizing imagined songs of extinct species
- Max Planck Institute for Evolutionary Anthropology, Linguistics and Cognitive Science Meet Diversity Workshop (Leipzig, DE, July 2024): Language-like efficiency and structure in house finch song
- Institut Jean Nicod, Évolution & Cognition Sociale (Paris, FR, Mar 2024): Cultural conservatism: a theory and model
- Stony Brook University, Ecology and Evolution Colloquium (Stony Brook, NY, Mar 2024): Complexity and efficiency in birdsong
- Mercy University, Animal Behavior Seminar (Bronx, NY, Feb 2024): The evolution of complexity in birdsong
- Max Planck Institute for Evolutionary Anthropology, Cultural Evolution of the Arts Workshop (Leipzig, DE, Nov 2023): Towards a cultural phylogeny of English-language fiction
- University of Bristol, Technology, Cognition, and Democracy Group (Bristol, UK, Oct 2023): Negativity bias in the spread of voter fraud conspiracy theory tweets during the 2020 US election
- Stony Brook University, Institute for Advanced Computational Science (Stony Brook, NY, Sept 2023): Language-like efficiency and structure in house finch song
- Max Planck Institute for Geoanthropology, Cognitive Technologies Workshop (Leipzig, DE, Apr 2023): Collective decision-making, discovery dynamics, and the emergence of open-ended technological growth (presentation of working paper by James Winters and Mathieu Charbonneau)
- Max Planck Institute for Geoanthropology, Communicative Efficiency Workshop (Leipzig, DE, Apr 2023): Efficiency and complexity in house finch song
- Max Planck Institute for Evolutionary Anthropology, Department of Human Behavior, Ecology, and Culture (Leipzig, DE, Apr 2023): Status quo conservatism in coordination games: the role of negotiation costs and bargaining power
- Max Planck Institute for Empirical Aesthetics, Computational Auditory Perception Research Group (Frankfurt, DE, Nov 2022): Cultural evolutionary approaches to the study of contemporary music
- Institut Jean Nicod, Évolution & Cognition Sociale (Paris, FR, Oct 2022): Signals of random copying in the cultural evolution of cattle brands are boosted by time- and space-averaging
- Max Planck Institute for the Study of Human History, From Cultural Evolution to Computational Humanities: Building a Bridge Workshop (Jena, DE, June 2022): Cultural evolutionary approaches to the study of contemporary music

- Vrije Universiteit Amsterdam, Social Psychology Section (Amsterdam, NL, June 2022): Negativity bias in the spread of voter fraud conspiracy theory tweets during the 2020 US election
- University of Tennessee, Center for the Dynamics of Social Complexity (Knoxville, TN, Apr 2022): From psychology to phylogeny: bridging levels of analysis in cultural evolution
- Max Planck Institute for Evolutionary Anthropology, Department of Human Behavior, Ecology, and Culture (Leipzig, DE, Apr 2022): Distinctiveness, copying, and complexity in the cultural evolution of cattle brands
- Institut Jean Nicod, Évolution & Cognition Sociale (Paris, FR, Feb 2022): From psychology to phylogeny: bridging levels of analysis in cultural evolution
- Queens College, Biology Department Colloquium (Flushing, NY, Oct 2021): From psychology to phylogeny: bridging levels of analysis in cultural evolution
- Early Career Social Learning Researcher's Society (Virtual Meeting, Oct 2021): Cultural transmission bias in the spread of voter fraud conspiracy theories on Twitter during the 2020 US election
- Max Planck Institute for Evolutionary Anthropology, Theory in Cultural Evolution Lab (Leipzig, DE, Sept 2021): Cultural transmission bias in the spread of voter fraud conspiracy theories on Twitter during the 2020 US election
- Max Planck Institute for Evolutionary Anthropology, Department of Linguistic and Cultural Evolution (Leipzig, DE, Sept 2021): From psychology to phylogeny: bridging levels of analysis in cultural evolution
- University of Pennsylvania, Social and Cultural Evolution Working Group (Philadelphia, PA, Sept 2021): From psychology to phylogeny: bridging levels of analysis in cultural evolution
- International Council on Systems Engineering, Social Systems Working Group (Virtual Meeting, May 2021): Agent-based modeling and generative inference in cultural evolution
- Thinking About the Cultural Evolution of Thinking Workshop (Düsseldorf, DE, Jan 2021): Inferring cognitive phenomena from cultural evolutionary patterns
- Stony Brook University, Institute for Advanced Computational Science (Stony Brook, NY, Jan 2021): Bridging pattern and process in cultural evolution and social behavior
- The Graduate Center, CUNY, Cognition and Comparative Psychology Colloquium (New York, NY, Sept 2018): Pattern and process in cultural evolution
- Queens College, CUNY, Biology Symposium (Flushing, NY, Jan 2018): A bibliometric analysis of interdisciplinary collaboration in the field of cultural evolution

Conference Talks

- Cultural Evolution Society Conference (Durham, UK, Sept 2024): Language-like efficiency and structure in house finch song
- European Association of Archaeology Conference (Rome IT, Aug 2024): Statistical signals of copying are robust to time- and space-averaging
- Cultural Evolution Society Conference (Aarhus, DK, Sept 2022): Signals of random copying in the cultural evolution of cattle brands are robust to time- and space-averaging
- New America Foundation, Digging into the Data on Jan 6 (Washington, DC, Dec 2021): Cultural transmission bias in the spread of voter fraud conspiracy theories on Twitter during the 2020 US election
- Cultural Evolution Society Conference (Virtual Meeting, June 2021): Content bias in the cultural evolution of house finch song
- European Human Behaviour and Evolution Association (Virtual Conference, Mar 2021): Phylogenetic reconstruction of the cultural evolution of electronic music via dynamic community detection (1975–1999)
- Animal Behavior Society (Virtual Conference, July 2020): A Raspberry Pi-based, RFID-equipped birdfeeder for the remote monitoring of wild bird populations
- Cultural Evolution Society Conference (Tempe, AZ, Oct 2018): The cultural transmission of sampling traditions in a network of musical collaborators
- Cultural Evolution Society Conference (Tempe, AZ, Oct 2018): A bibliometric analysis of interdisciplinary collaboration in the field of cultural evolution
- International Behavioral Ecology Congress (Minneapolis, MN, Aug 2018): A bibliometric analysis of interdisciplinary collaboration in the field of cultural evolution
- Applications in Cultural Evolution Conference (Tartu, EE, June 2018): The cultural transmission of sampling traditions in a network of musical collaborators
- Applications in Cultural Evolution Conference (Tartu, EE, June 2018): A bibliometric analysis of interdisciplinary collaboration in the field of cultural evolution
- Cultural Evolution Society Conference (Jena, DE, Sept 2017): A bibliometric analysis of interdisciplinary collaboration in the field of cultural evolution

Awards, Grants, & Fellowships

(*personnel not PI)

Awards

- Finalist, Richerson Award for Best PhD in Cultural Evolution (2022)

Fellowships

- Postdoctoral Fellowship, Institute for Advanced Computational Science (2023-present)
- Science Undergraduate Research Fellowship (2012-2014): The epigenetic expression of dopamine receptor D4 in the deer mouse (*Peromyscus*)

Grants

- Institute for Advanced Computational Science, Seed Grant (2024, \$249,421): Dynamics of creativity in complex social networks
- Advancing Cultural Evolution, Outreach Grant (2023, \$1,625): Non-human cultural extinction
- Cultural Evolution Society Transformation Fund (2023, £17,774): Phylogenies of literature
- Sigma Xi Grant-In-Aid of Research (2018, \$1,000): The neural basis and spatiotemporal dynamics of female preferences for male bird song
- Doctoral Student Mini-Grant, Queens College (2018, \$500): A Raspberry Pi-based, RFID-equipped birdfeeder for the remote monitoring of wild bird populations
- Doctoral Student Research Grant, Graduate Center (2018, \$1,000): The neural basis and spatiotemporal dynamics of female preferences for male bird song
- Research Enhancement Award, Queens College (2017, \$6,000): The neural basis and spatiotemporal dynamics of female preferences for male bird song
- *John Templeton Foundation (2016-2018, \$89,000): Towards a new synthesis for cultural evolution
- Summer Research Training, Methods in the Neuroscience of Drug Abuse, University of Texas at El Paso (2013): The role of dopamine D2 receptor in brain development and ethanol-induced behavioral disinhibition

Advising

PhD Students

- Alina Shabaeva (2025-2026): PhD in Linguistics, Stony Brook University – Creativity and word order in online experiments

Masters Students

- Agnes Dietrich (2021-2022): MA in African Verbal and Visual Arts, University of Bayreuth
- Macarena G. Gomezdelatorre Clavel (2019-2020): MA in Biology, Queens College, CUNY – Relationship between personality and cognitive traits in domestic rabbits (*Oryctolagus cuniculus*)
- Wendy Castillo (2019-2021): MA in Biology, Queens College, CUNY – Cultural variation in the birdsong of Hawaiian house finches (*Haemorrhous mexicanus*)

Undergraduate & Postbaccalaureate Students

- Lilia Kurnosova (2021-2022): Friedrich Schiller University Jena
- Elia Weber (2021-2022): Friedrich Schiller University Jena
- Joderick Castillo (2019-2021): BA in Biology, Queens College, CUNY
- Ratna Kanhai (2019-2021): BA in Biology, Queens College, CUNY
- Rahhid Khan (2019): BA in Biology, Queens College, CUNY
- Sheila Gogineni (2019): BA in Psychology, Queens College, CUNY
- Christina Takos (2019): BA in Biology, Queens College, CUNY
- Sachin Surendra (2018-2019): BA in Biology, Queens College, CUNY
- Andrea Lopez (2018-2020): BA in Biology, Queens College, CUNY
- Shari Zimmerman (2017-2020): BA in Biology, Queens College, CUNY
- Ar Kornreich (2017-2019): BA in Biology, Queens College, CUNY

Committee Membership

- Macarena G. Gomezdelatorre Clavel (2019-2020): MA in Biology, Queens College, CUNY – Relationship between personality and cognitive traits in domestic rabbits (*Oryctolagus cuniculus*)

Bootcamps & Summer Schools

New York University Startup Accelerator Program

Hosted by the New York University Entrepreneurial Institute

New York, NY

Mar 2025 – Apr 2025

Diverse Intelligences Summer Institute

Fellow, hosted by the University of St. Andrews

St. Andrews, UK

July 2022 – Aug 2022

Statistical Rethinking: A Bayesian Course with Examples in R and Stan

Hosted by the Max Planck Institute for Evolutionary Anthropology

Leipzig, DE

Spring 2022

Acoustic Communication: Methods and Techniques for Studying Animal Sound

Odense, DK

Professional Service

Journal Editing

- Special collection on the Cultural Evolution of the Arts in *Evolutionary Human Sciences* (Co-edited with Oleg Sobchuk): Oct 2023 – present

Society Leadership

- The Cultural Evolution Society (CES): Membership Secretary and Executive Committee Member: Sept 2025 – present
- The Association of Early-Career Social Learning Researchers (ESLR): Web Secretary and Committee Member: Nov 2021 – July 2025
- Animal Behavior Society: Twitter Management: Mar 2019 – Aug 2020

Event Organizing

- Collective Creativity [3-Day Workshop] (Stony Brook, NY): Apr 2025
- ESLR and Cultural Evolution Society Seminar Series [Weekly] (Virtual): May-June 2024
- ESLR Seminar Series [Weekly] (Virtual): May-June 2023
- Max Planck Institute for Geoanthropology, The Evolution of Cognitive Technologies [3-Day Workshop] (Leipzig, DE): Apr 2023
- Max Planck Institute for the Study of Human History, From Cultural Evolution to Computational Humanities: Building a Bridge [3-Day Workshop] (Jena, DE): June 2022

Peer Reviewing

- Journals: *Nature Communications*, *Science Advances*, *Proceedings of the Royal Society B*, *Philosophical Transactions of the Royal Society B*, *Poetics*, *Royal Society Interface*, *PLOS Computational Biology*, *Frontiers in Psychology*, *Cognitive Science*, *Royal Society Open Science*, *PNAS Nexus*, *Animal Behaviour*, *Ecology and Evolution*, *Methods in Ecology and Evolution*, *Journal of Animal Ecology*, *Journal of Language Evolution*, *PLOS ONE*, *Ornithology*, *npj Complexity*, *Open Mind*, *Topics in Cognitive Science*, *Animal Cognition*, *Journal of Complex Networks*, *Biology and Philosophy*, *Humanities and Social Sciences Communications*, *Palgrave Communications*, *International Journal of Infectious Diseases*, *Qeios*
- Themed issue proposals: *Philosophical Transactions of the Royal Society B*
- Grants: Cultural Evolution Society Transformation Fund (John Templeton Foundation)
- Conferences: Computational Humanities Research Conference (2023)

Consulting & Freelance

Arclet

Lead AI Engineer

Asheville, NC
Aug 2024 – present

- Public health start-up creating communications tools for providers: <https://www.arclet.com/>
- My focus: building agentic AI systems for culturally-sensitive public health communications

Critica

Chief Technology Officer

New York, NY
July 2024 – present

- Non-profit fighting health-related misinformation: <https://criticascience.org>
- My focus: designing and assessing infodemiology interventions

Lyrai

Chief Architect

Stony Brook, NY
Sept 2023 – present

- Start-up creating digital acoustic twins of architectural spaces: <https://lyrai.tech/>
- My focus: building deep learning models of sound propagation in complex environments

Critica

Research Scientist

New York, NY
July 2023 – July 2024

- Non-profit fighting health-related misinformation: <https://criticascience.org>
- My focus: using statistical modeling and natural language processing to assess conversation quality

We Are Listen

Research Scientist

Brooklyn, NY
Sept 2021 – Oct 2021

- Design firm specializing in sonic branding: <https://wearelisten.com>
- My focus: reviewing the scientific literature of the psychology of sound and music, to directly inform the sonic design of a luxury electric vehicle for Ford Motor Company

Programming Skills _____

Languages: R, Python, C++, Bash, Markdown
Machine Learning & AI: PyTorch, TensorFlow, Stan
High-Performance & Cloud Computing: Slurm, AWS, Google Cloud Platform
Web Technologies: HTML/CSS, WordPress, GitHub, APIs

Artistic Output _____

- Installations**
- Reforesters Laboratory, Spatial Audio Venue (Brooklyn, NY, June 2025): Alaka'i 1777
 - TechnoMirage at Index Space, Community Art Space (Manhattan, NY, Sept 2025): Alaka'i 1777
- Workshops**
- The Bakery, Project Art Space (Brooklyn, NY, Apr 2025): Deep listening for nonhuman perspective-taking
 - Hex House, Community Art Space (Brooklyn, NY, Dec 2024): Deep listening for nonhuman perspective-taking
 - Diverse Intelligences Summer Institute (St. Andrews, UK, July 2024): Deep listening for nonhuman perspective-taking

Artist Residencies & Incubators _____

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| NEW INC | New York, NY |
| Member of Creative Science cohort, hosted by the New Museum | Sept 2025 – Aug 2026 |
| Reforesters Laboratory | Brooklyn, NY |
| Artist-in-residence | June 2025 – July 2025 |
| Diverse Intelligences Summer Institute | St. Andrews, UK |
| Storyteller, hosted by the University of St. Andrews | July 2024 – Aug 2024 |