

# Lancelot Blanchard

MUSICIAN · AI RESEARCHER · ENGINEER

Graduate Student · MIT Media Lab

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## Education

### MIT Media Lab

Cambridge, USA

PH.D. IN MEDIA ARTS AND SCIENCES

2023 - present

- Advisor: Prof. Joseph A. Paradiso
- MIT Presidential Fellow

### Imperial College London

London, UK

MASTER'S OF RESEARCH, ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

2022 - 2023

- Advisor: Prof. Alessandra Russo
- Graduated with Distinction

### Imperial College London

London, UK

MASTER'S OF ENGINEERING, COMPUTING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

2018 - 2022

- Thesis Advisor: Prof. Alessandra Russo
- Graduated with First Class Honors
- Featured on Dean's List in Year 2 & 4

### Conservatory of Rennes

Rennes, France

CLASSICAL PIANO & MUSIC THEORY

2006 - 2018

- Graduated with Honors
- Studied Advanced Harmony

## Professional Experience

- 2023-present **Research Assistant**, MIT Media Lab
- 2022-2023 **Visiting Student**, MIT Media Lab
- 2021 **Business Intelligence Engineering Intern**, Amazon UK
- 2020 **Startup Founder & CEO**, DJStreamr
- 2020 **Software Engineering Intern**, Privitar

## Publications

### PUBLISHED

Wicaksono, Irmandy, **Lancelot Blanchard**, Sam Chin, Cristian Colon, Joseph A. Paradiso. KnitworkVR: Dual-reality Experience through Distributed Sensor-Actuator Networks in the Living Knitwork Pavilion. In SIGGRAPH Asia 2024 Art Papers. Association for Computing Machinery, 2024.

**Blanchard, Lancelot**, Perry Naseck, Eran Egozy, and Joseph A. Paradiso. Developing Symbiotic Virtuosity: AI-Augmented Musical Instruments and Their Use in Live Music Performances. An MIT Exploration of Generative AI, 2024.

Pataranutaporn, Pat, Valdemar Danry, **Lancelot Blanchard**, Lavanay Thakral, Naoki Ohsugi, Pattie Maes, and Misha Sra. Living Memories: AI-Generated Characters as Digital Mementos. In Proceedings of the 28th International Conference on Intelligent User Interfaces (pp. 889–901). Association for Computing Machinery, 2023.

**Blanchard, Lancelot**. Human-AI Co-Reasoning: Supporting Human Critical Thinking Skills with Interactive Neurosymbolic AI Systems. MRes Thesis. Imperial College London, 2023.

**Blanchard, Lancelot**. GenFastLAS: Scaling up the FastLAS System to Large Feature Spaces, and Application to Symbolic Music Genre Classification. MEng Thesis. Imperial College London, 2022.

### IN REVIEW

Chat-based AI-enhanced Reasoning Assistants Can Improve Understanding of Socially Divisive Issues

IN PREPARATION

Jordan and the jam\_bot: A Human-AI Co-Created Music Performance

AI Harmonizer: Expanding Vocal Expression with a Generative Neurosymbolic Music AI System

Sonifying the MindCube through AI-Generated Music

Artworks

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PUBLIC INSTALLATIONS

November 2023. *SITUATIONSHIP: Exploring Relationships and Perspectives in an Intergalactic Dating Simulator*. Interactive Audio & Video Installation. With Kayla Briët, Serena Bono, Nelson Hidalgo, Shrestha Mohanty, Sarah Ornellas, Ana Schon. Cambridge, MA, USA.

May 2023. *inHarmony: Combatting Social Anxiety through AI Voice Conversion*. Interactive Audio Installation. With Manaswi Mishra, Ardeshir Sorabjee. Cambridge, MA, USA.

April 2023. *Apocalypse: Degenerative AI Podcasting*. Interactive Audio Installation. With Valdemar Danry. Cambridge, MA, USA.

Recording Credits

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ALBUMS

November 2020	<b>Resolution, Sense</b> , Production	<i>Streams: 5.6M</i>
March 2020	<b>Tin Can Stories, Upside</b> , Songwriting, Production, Mixing	<i>Streams: 13K</i>

SINGLES

April 2023	<b>Online, Joe Bell</b> , Production, Mixing	<i>Streams: 2.7K</i>
July 2020	<b>Let Yourself Go, Sense &amp; Noroy</b> , Production	<i>Streams: 96K</i>
January 2019	<b>4 Real, Mitty</b> , Production, Mixing	<i>Streams: 8.6K</i>
December 2017	<b>All Mine, Sense</b> , Production	<i>Streams: 5.9M</i>
October 2016	<b>Last Cigarette, Sense</b> , Production	<i>Streams: 2.6M</i>

ACHIEVEMENTS

*Last Cigarette, Sense* reached #10 in Hot 100 Billboard Philippines  
*All Mine, Sense* featured in Global New Music Friday on Spotify

Awards, Fellowships, & Grants

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2024	<b>Presidential Graduate Fellowship</b> , MIT <b>Emerson/Harris Fellowship for Jazz Piano</b> , MIT <b>Generative AI Impact Publication Grant</b> , MIT
2022	<b>MEng Year 4 Dean’s List</b> , Imperial College London
2019	<b>MEng Year 2 Dean’s List</b> , Imperial College London <b>Best Project Prize</b> , Imperial College London
2018	<b>Top 10 Applications Scholarship</b> , Imperial College London

Presentations

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LIVE PRODUCTIONS

September 2024. *Jordan and the jam\_bot: A Work-in-Progress Performance*. In collaboration with Perry Naseck, Madhav Lavakare, and Jordan Rudess. Cambridge, MA, USA.

### INVITED TALKS

August 2024. *Symbiotic Virtuosity & Generative AI in Live Music Performances*. Harvard Business School, Boston, MA, USA.  
May 2024. *Panel on AI and Music with Daouda Leonard*. MIT Arts Startup Incubator, Cambridge, MA, USA.  
January 2024. *Generative AI in School and Work*. Student Panel: MIT Festival of Learning, Cambridge, MA, USA.

### WORKSHOPS

January 2025. *Launching AI Onto the Live Stage: Jordan Rudess on the Future of Generative AI for Live Music Performances*. NAMM Show 2025, Anaheim, CA, USA.  
October 2024. *Towards AI-augmented Live Music Performances*. AES Show 2024, New York, NY, USA.

### Teaching Experience

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Summer 2024	<b>ES285 Design Theory and Practice</b> , Final Project Jury	<i>Enrolment: 30</i>
Spring 2024	<b>MAS.837 Principles of Electronic Music Interfaces</b> , Teaching Assistant	<i>Enrolment: 15</i>
January 2024	<b>Generative AI &amp; Music Workshop</b> , Workshop Organizer	<i>Enrolment: 49</i>

### Mentoring

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2023-present	<b>Team of 5 UROPs</b> , MIT Media Lab
2022-2023	<b>University Application Mentoring</b> , London, UK
2022-2023	<b>IB Maths Tutoring</b> , London, UK

### Open-Source Contributions

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2020. *IVANN: A Visual Flow-based Neural Network Builder*. Co-founder & Maintainer. <https://github.com/icivann/ivann>.

### Outreach & Professional Development

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#### SOCIAL ACTIVITIES

2024-present. **Boston AI Music Meetup**. Co-organizer. Hosting a monthly event for AI music researchers based in the Boston area. Featured talks from distinguished speakers and collected sponsor funding from diverse industry partners.  
2023-present. **AI Music Reading Group**, MIT Media Lab. Founder & Coordinator. Hosting weekly discussions with international colleagues and leaders of the field. Contributing institutions include Carnegie Mellon University, Stanford University, Queen Mary University of London. Weekly attendance: 30 people.

#### PEER REVIEW

European Research Council (ERC) Advanced Grant 2024 Call

#### PROFESSIONAL MEMBERSHIPS

Associateship (ACGI) of the City and Guilds of London Institute  
Member of the Association for Computer Machinery (ACM)  
Student Member of the Audio Engineering Society (AES)