

Lancelot Blanchard

MUSICIAN · AI RESEARCHER · ENGINEER

Graduate Student · MIT Media Lab

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Education

MIT Media Lab

PH.D. IN MEDIA ARTS AND SCIENCES

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

Cambridge, USA

2023 - present

Imperial College London

MASTER'S OF RESEARCH, ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

- Advisor: Prof. Alessandra Russo
- Graduated with Distinction

London, UK

2022 - 2023

Imperial College London

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

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

London, UK

2018 - 2022

Conservatory of Rennes

CLASSICAL PIANO & MUSIC THEORY

- Graduated with Honors
- Studied Advanced Harmony

Rennes, France

2006 - 2018

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

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, 889–901. IUI '23. New York, NY, USA: 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

inHarmony: Reinforcing Community Belonging through AI Choirs

Cultivating Understanding of Immediate Natural Surrounding using Data-Driven AI-Generated Characters

Jordan and the jam_bot: A Human-AI Co-Created Music Performance

Artworks

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, Ardesir Sorabjee. Cambridge, MA, USA.

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

Recording Credits

ALBUMS

November 2020	Resolution, Sense , Production	Streams: 5.6M
March 2020	Tin Can Stories, Upside , Songwriting, Production, Mixing	Streams: 13K

SINGLES

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

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

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

Presentations

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

October 2024. *Towards AI-augmented Live Music Performances*. AES Show 2024, New York, NY, USA.

Teaching Experience

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

Mentoring

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

Open-Source Contributions

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

Outreach & Professional Development

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 industry partners including Suno and Meta.

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

CSCW'24. 27th ACM Conference on Computer-Supported Cooperative Work and Social Computing.

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)