Lancelot Blanchard

Musician · AI Researcher · Engineer

Graduate Student · MIT Media Lab

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Education

MIT Media Lab   *Boston, USA*
Master's of Media Arts and Sciences   *2023 - present*
- Advisor: Prof. Joseph A. Paradiso

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

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

Exploring Musical Databases Visually through Time-based Chroma Clustering

In Preparation

Redefining Virtuosity: The Role of Generative AI in Live Music Performances

inHarmony: Reinforcing Community Belonging through AI Choirs

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, Ardeshir Sorabjee. Cambridge, MA, USA.

April 2023. *AIpocalypse: 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	**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

INVITED TALKS

January 2024. *Generative AI in School and Work*. Student Panel: MIT Festival of Learning, Cambridge, MA, USA.

Teaching Experience

Spring 2024	**MAS.837 Principles of Electronic Music Interfaces**, Teaching Assistant	*Enrolment: 15*
January 2024	**Generative AI & Music Workshop**, Workshop Organizer	*Enrolment: 49*

Mentoring

2023-2024	**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

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)