

PRASHANTH THATTAI

RESEARCH SCIENTIST - GLOBAL TALENT VISA

[Website](#) [LinkedIn](#) [GitHub](#)



PROFESSIONAL PROFILE

Research scientist specialised in creating bespoke software automations for newly emerging human interactions with AI/Machine Learning (ML) systems across different industry verticals and applications

EXPERIENCES

Current

UNIVERSITY OF THE ARTS, LONDON

Program generative art systems to transform creative computing learning in UG foundational year
P5.js, Generative Art

Feb - Nov 22

DE MONTFORT UNIVERSITY, UK

AI-generated music synchronized to human bio-signals (brain waves, heartbeat, muscles, skeleton..)
Neural Networks, Bio-signals, NLP, JavaScript, Python

2021-2022

ARTS X TECH LAB, NATIONAL ARTS COUNCIL, SG

AI composing music to human-generated gestures in harmony with live sounds and music
AI, JavaScript, MIDI, Web-Audio API

2020-2022

NATIONAL UNIVERSITY OF SINGAPORE, SG

Simulating audio big datasets to train, develop, and test generation, classification & augmentation of audio textures
Big-data, Neural Networks, JavaScript, Python, MongoDB

KEY PUBLICATIONS

*C&C

A review of Human-AI communication in interactive sound systems ([DOI](#))

2017

*ICCC

A low-latency system for Human-AI Music collaboration ([DOI](#)) ([Open-source code](#))

2019

INFORMATION

TELEPHONE

07857567530

E-MAIL

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ADDRESS

21 Surrey Road, Harrow, HA14NJ

SKILLS

ML & AUDIO/SPEECH

65%

HUMAN-AI INTERACTION

80%

PROGRAMMING

80%

SCIENTIFIC PUBLISHING

80%

PROGRAMMING

JS

90

PYTHON

75

HTML

75

DOMAIN EXPERTISE

AUDIO

80

NLP

65

MULTI-MODAL

65



LEAD DEVELOPER/AUTHOR

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AWARDS

Marie Curie Seal of Excellence (2023) for PostDoctoral Research Fellowship in Personalizing music generation with Deep Learning

Global Talent Visa (2022-25) in Computing and Communications, Royal Academy of Engineering, UK

Awarded **\$30k** by **National Arts Council, Singapore** to lead the first Music technology project in **Arts x Tech Lab** (21-22)

CONFERENCES


Scientific evaluation committee, Digiscores, 2022

Reviewer, International Conference on Computational Creativity, 2021-22

Paper chair, Workshop on the Future of Computational Co-Creative Systems, 2021

COLLABORATORS

Janin Koch (Inria Paris-Saclay)
Felipe Calegario (UFPE, Recife)
Kazjon Grace (Univ of Sydney)
Anna Kantosalo (Univ of Aalto)
Karthik Subramaniam (IITG, IN)
Lonce Wyse (UPF, Barcelona)
Dirk Stromberg (LASALLE, SG)

 *ICCC Perceptually tuning an AI model for sustaining human engagement in live music performance **2020**
([DOI](#)) ([Recordings](#))

*ICCC A taxonomy of computational creativity systems based on human-computer interaction modalities, styles, and strategies ([DOI](#)) **2020**

*NIME Parameterized audio texture datasets for conditional training of instrumental interfaces ([DOI](#)) ([Application](#)) **2022**

EDUCATION

2015 - 2020 Ph.D. in Human-AI Interaction **2015-2020**
NATIONAL UNIVERSITY OF SINGAPORE

2012 - 2015 MA in Communications and New Media **2012-2015**
NATIONAL UNIVERSITY OF SINGAPORE

2008 - 2012 B.Engg in Computer Science & Engineering **2008-2012**
NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY

INTEREST & HOBBIES

MUSIC | PERCUSSION | TAICHI | CRICKET | TRAVEL

*NIME: *New Interfaces for Musical Expression*