

Using Explainable AI to create music from live painting

Painting Music

PAINTING MUSIC LIMITED is a company comprised of Artist & Filmmaker Kate Steenhauer and Artificial Intelligence (AI) developers Dr Starkey and Jack Caven.

The team explores how cutting-edge Al techniques can facilitate multifaceted relationships between music and visual art. Most Al techniques that are used in artistic endeavors are off-the-shelf methods that are black box and cannot explain what they are doing.

Painting Music however uses algorithms that are explainable, which is innovative even in the field of AI, and the combination of AI, painting and music represents to the best of our knowledge a world's first.



Painting Music Products

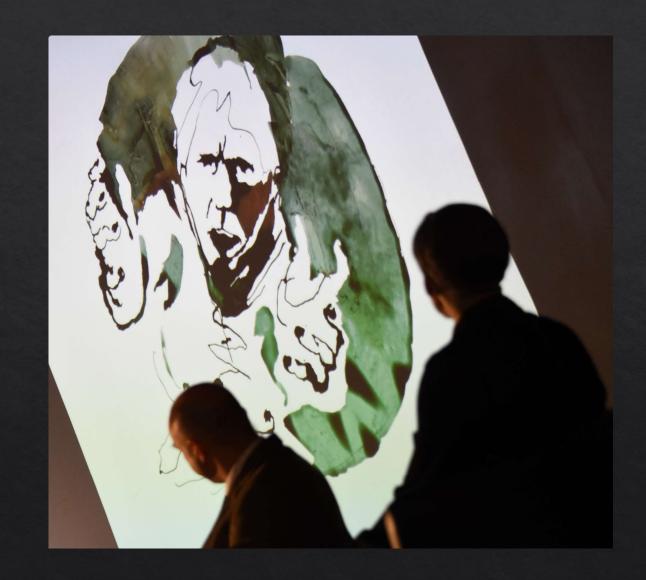
Painting Music requires the Al to be transparent in how it understands a piece of painted art and then converts this into a musical motif. The Al's application within Painting Music is therefore incredibly exciting and ground-breaking.

Painting Music offers a diverse production package of audience interactive Apps, live performance, audio-visual installations, art/ STEM workshops, documentaries & live talks, and artwork that spark art-science-themed inspired conversation.

Painting Music taps into the public's fear

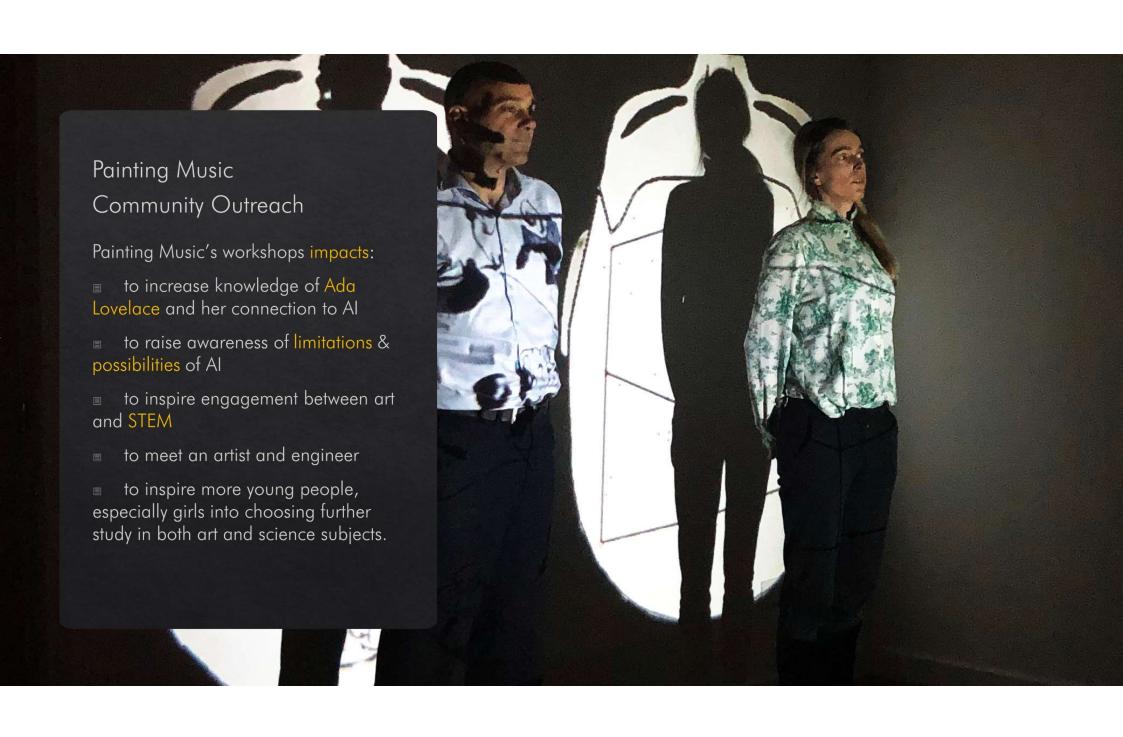
– or excitement of Al and the change that
this will bring to all facets of society.

The production is centered around the question Is Al good or bad?.







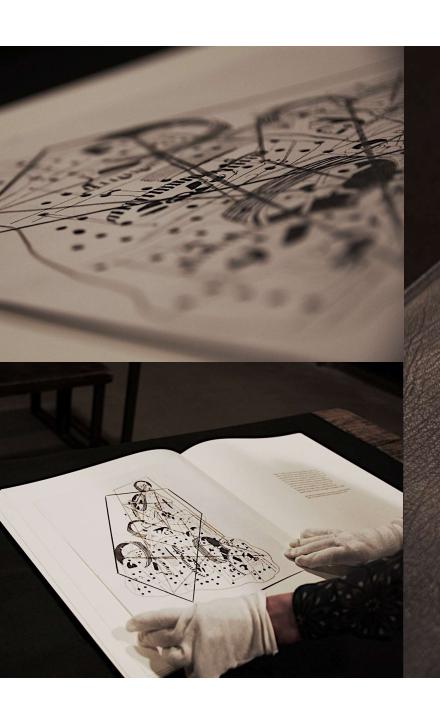


Painting Music Live Talks

Artist & Al engineers' talks that spark art-science-themed inspired conversation focused on the visionary Ada Lovelace, Al, and Painting Music's fundamental concept & products, wherein audiences are encouraged to explore the realm of Al and its impact on our world.

Watch Interviews and Artist Talk





Painting Music

KATE STEENHAUER

The Landscape of Intelligence

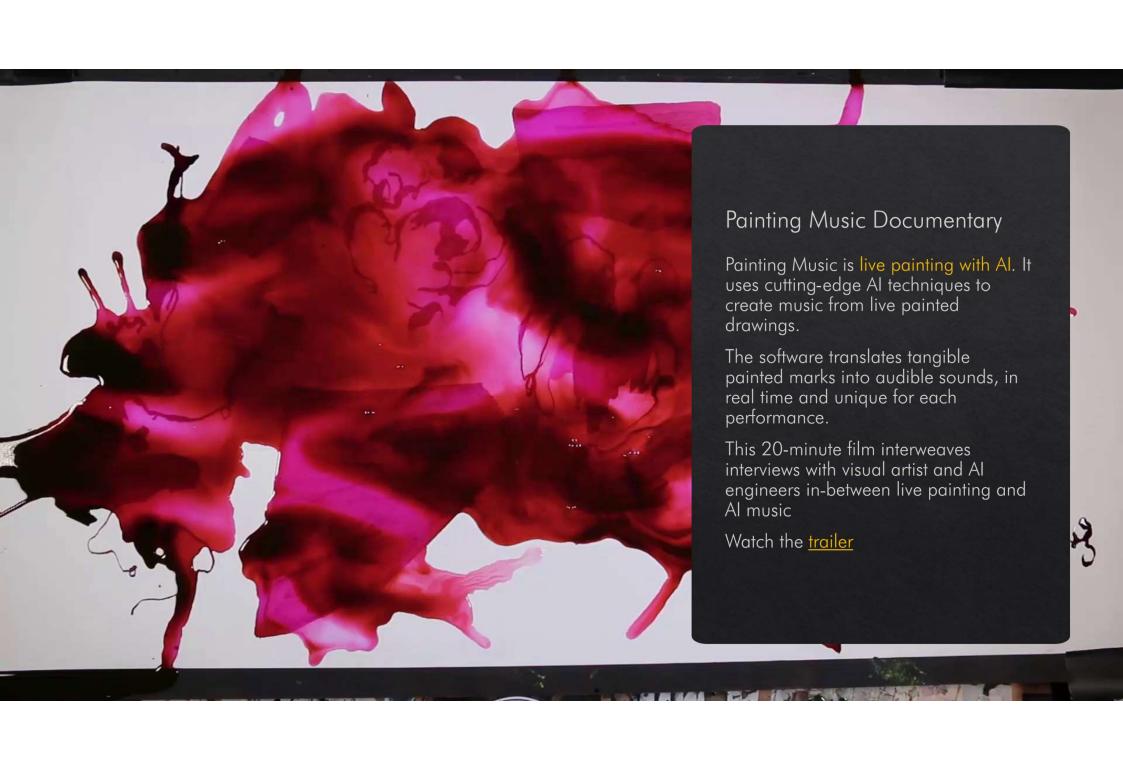
The Landscape of Intelligence is a multi-media exhibit based on a limitededition hand-made artist book with sound and video, that pays tribute to computer pioneer Ada Lovelace.

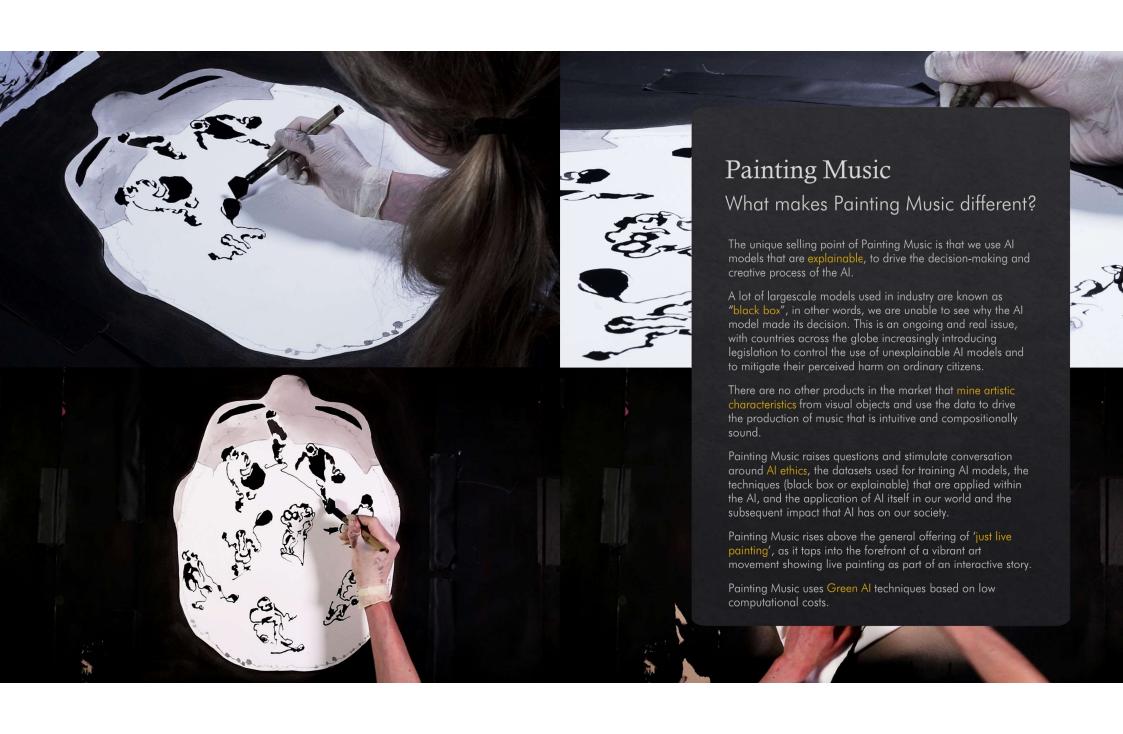
Painting Music is a machine intelligence that interprets visual stimuli to inspire musical composition, and the very embodiment of what Ada Lovelace talked about nearly 200 years ago.

The multi-media exhibit binds together a set of multi-layered prints based on drawings of machinery, punch cards, neural networks and quotes from Ada and her mother Annabella Byron, using etching and screen-printing, moving imagery, music and spoken word from actors animating Ada, Annabella Byron, Ada's tutor and friend

Multi-media display: Artist book in glass cabinet, film screen & headphones/speakers.

1-min Landscape of intelligence





Painting Music Services & Collaboration

Painting Music Products:

- Audience-Interactive App
- Physical & Digital (remote) Live Performances
- Audio-Visual Installations
- ART & STEM Cross-over Workshops
- Documentaries & Live Talks on Al and Ada Lovelace

For application in & collaboration with:

- Creative & Tech Sectors
- Healthcare providers interested in providing creative means for their patients and people with additional needs
- Educational Institutions, e.g., Schools & Learning Centers
- Individuals & Organizations looking to communicate complex issues through art/music to a variety of audiences
- Museums & Galleries & Festivals
- Academic & Multi-Media Platforms









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Painting Music

Composing with Intelligence



























Macrobert Arts Centre