

Jake Elwes WORKS 2017

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Closed Loop

2017, 2-channel digital video, 200 minute loop

Edition of 5 + 2 artist proofs

In Closed Loop two artificial intelligence models converse with each other - one with words the other with images - in a never-ending feedback loop. The words of one describe the images of the other, which then seeks to describe the words with a fresh image... Two neural networks getting lost in their own nuances, sparking and branching off each other as they converse in a perpetual game of AI Chinese whispers.

Two neural networks: a language captioning recurrent neural network writing what it sees in the images generated, and a generative neural network generating images responding to the words generated.

Two datasets to train the algorithms: a dataset of 4.1 million captioned images to train a language network, and the Imagenet dataset of 14.2 million photographs to train the image generator network.

Collaborative project with Roland Arnoldt. Special thanks to Anh Nguyen et al. at Evolving-AI for their work on GANs.



Installation image of Closed Loop at the Slade Degree Show 2017



Single channel rendering of two channel video installation

Latent Space

2017, digital video, 45 minute loop

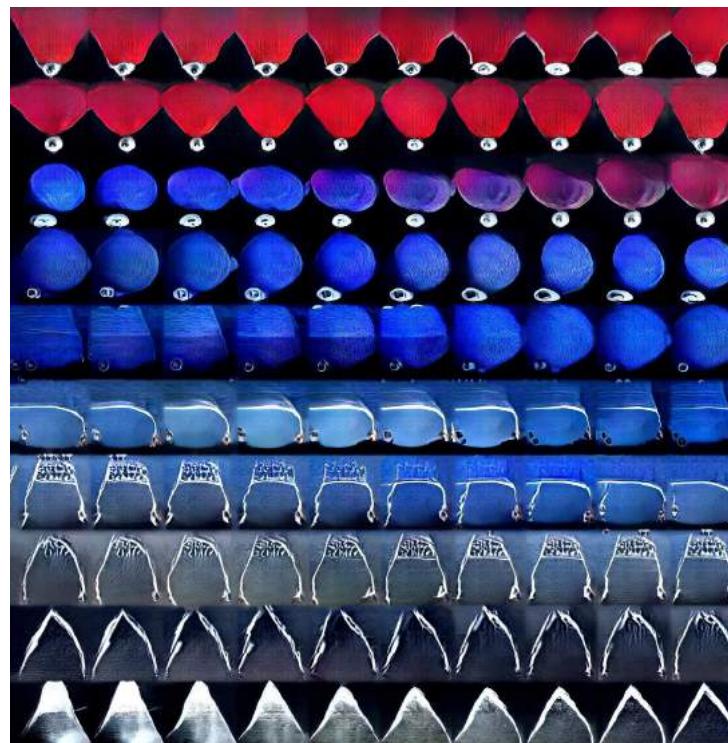
Edition of 5 + 2 artist proofs

Special thanks to Anh Nguyen et al. at Evolving-AI for their work on GANs.

What happens when an A.I. algorithm that has been trained to generate humanly recognisable original images is freed to create images at will? Latent Space is a video snap-shot of a generative adversarial neural network, an A.I. algorithm trained using 14.2 million photographs, continuously producing new images – a digital subconscious conceiving of new images and visualising a ‘latent space’.



Installation image of Latent Space at the Slade Degree Show 2017



Sequence of frames from Latent Space

dada da ta

2016, Digital Video, 20 minute loop

In 'dada da ta' over 50 hours of interviews have been sourced from YouTube then processed using the IBM Watson AI speech to text programme to transcribe the interviews and a custom-made computer programme to extract in time order the instances of the participants speaking in numbers and then remove the words from the source videos – leaving the interview's chronology intact yet reduced to a stream of numbers:

"One, one billion, one million, one hundred million, two billion, one, two hundred, ten thousand, eighteen thousand, two, two, two, ten, fifteen, nine thousand." Elon Musk.



Stills from dada da ta

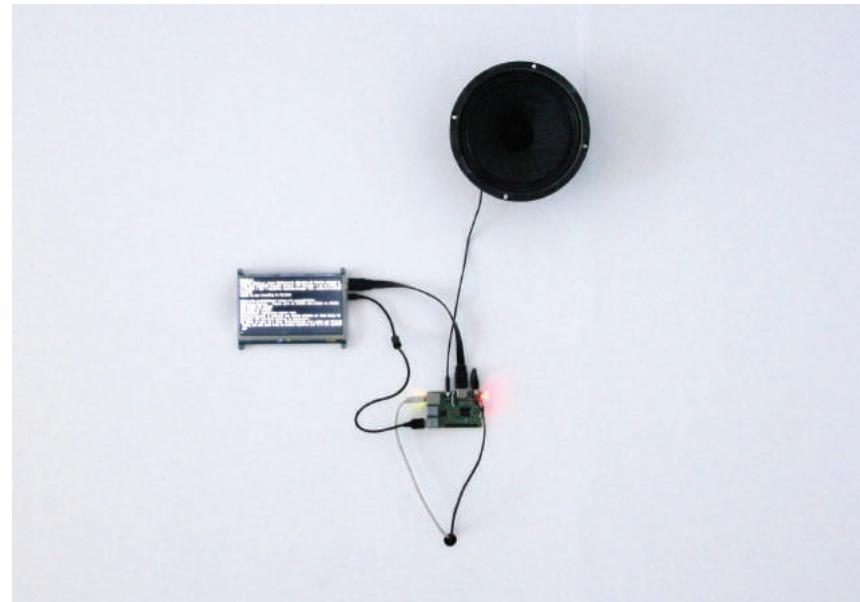


Installation image of
dada da ta at Swiss
Mobiliar 2017

Digital Whispers

2016, mixed media (raspberry pi computer, LCD screen, speaker and custom program), 60x50x10 cm

Tweets in a 2 mile radius of the pieces' installation are whispered by the computer as a live performance.



Installation image of Digital Whispers at Swiss Mobiliar, Bern 2017



Installation image of Digital Whispers at the Bloomberg New Contemporaries , Baltic 2017

Auto Encoded Buddha

2016, mixed media (monitor, computer running customised A.I. software, wooden Buddha)

Hommage to Nam June Paik's 'TV Buddha' 1976.
Collaboration with Roland Arnoldt.

A Buddha statue watches the computer attempting to draw its own image. An artificial intelligence model was trained on 5000 images of Buddha, yet the computer struggles to depict the Buddha's essence.



Installation image of Auto Encoded Buddha, Slade 2016



Installation image of Auto Encoded Buddha, Slade 2016

Machine Learning Porn

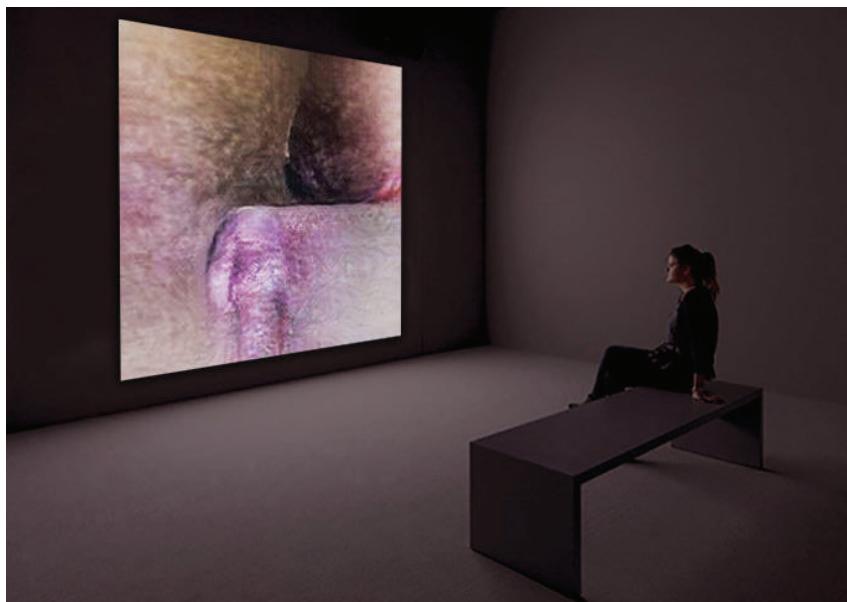
2016, digital video, 12 minute loop

Inspiration from Gabriel Goh.

A convolutional neural network (shown thousands of images to teach itself to classify) has been trained using Yahoo's explicit content model for finding pornography in their search engines, which is then back engineered to generate pornography from scratch .



12 non-consecutive stills from
Machine Learning Porn



Installation render of Machine
Learning Porn

Digital Caress

*2015, large format inkjet prints & book,
somerset paper, 110x60cm
Series of 9*

These gestures are the residue left on the screen of an iPhone from human touch (the grease of one's finger). The gestures and twitches were often recognisable according to the app eg. Tinder.app - swiping left and right, and Phone.app - imprint from stubble. Each image derives from a different app, displaying the material remnants of interacting with a virtual window.



Tinder



Calculator



Calendar



Camera



Google Maps



Messages



Phone



Settings



Snapchat

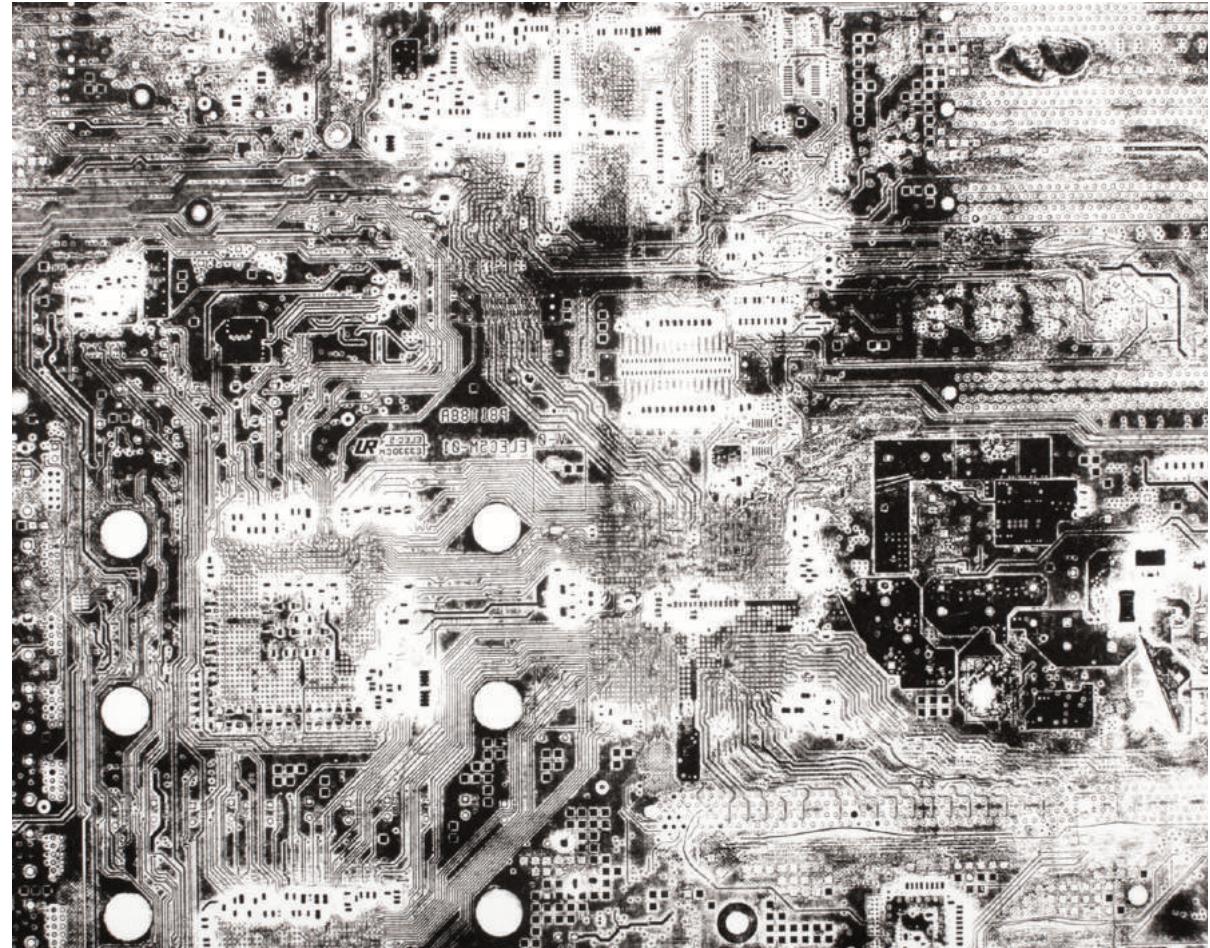
Solid State

2015, Relief & Intaglio Prints, 30x40cm

10 Unique Prints

Series of 10 & 6

Relief & Intaglio prints made directly from circuit board surfaces. The circuit boards were prepared by burning to remove components then run through a printing press. They evoke scotched terrain and media archeology.

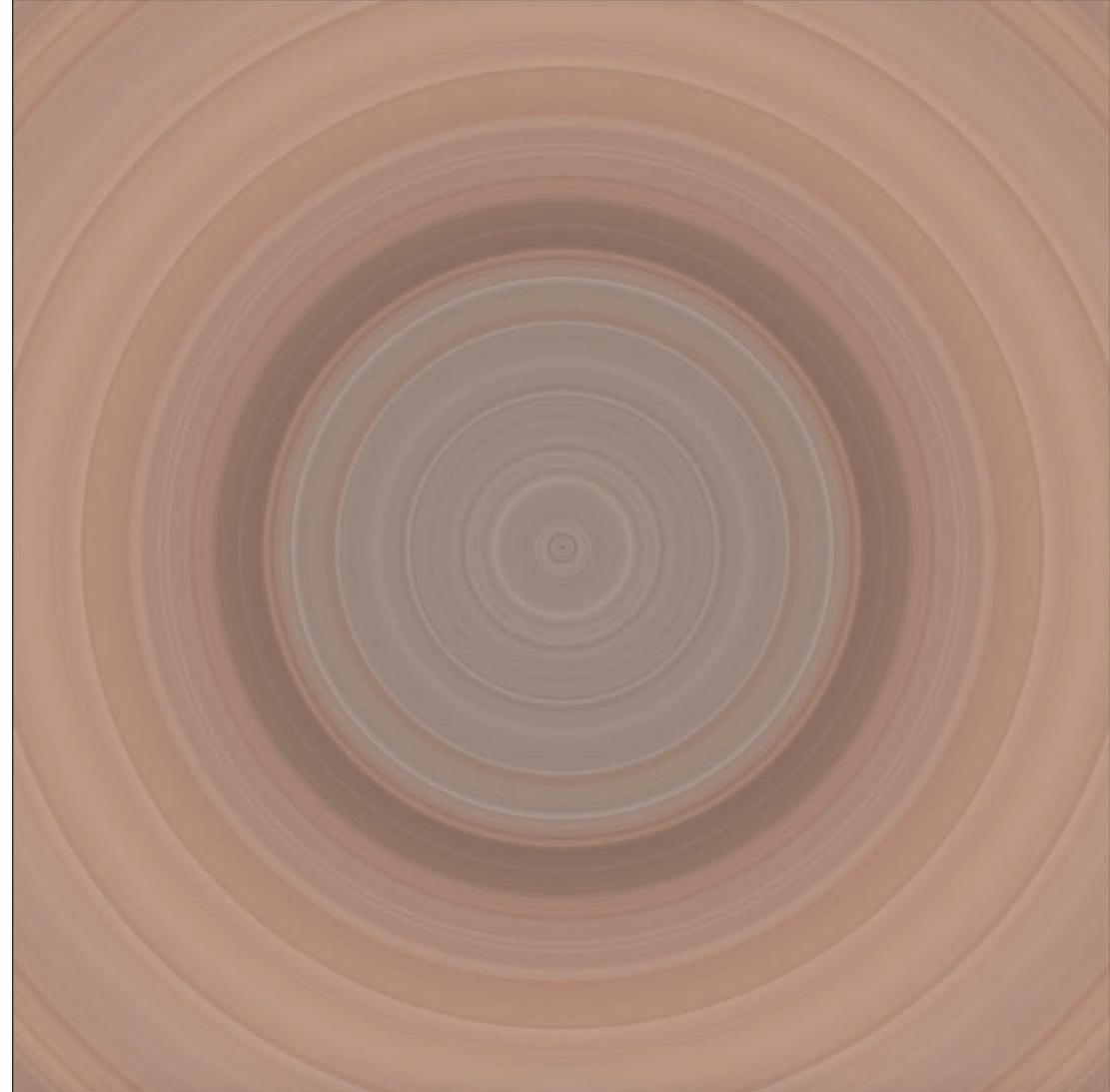


12 stills taken from random points of Latent Space

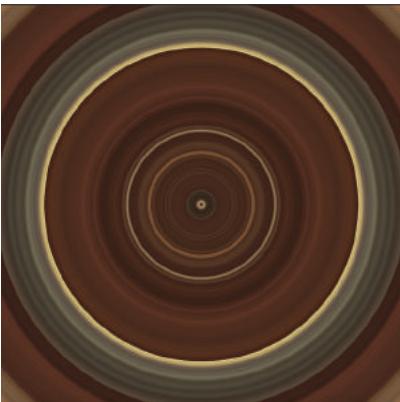
Porn Saturation

*2015, series of ten unique inkjet prints,
pearl paper, 55x55cm*

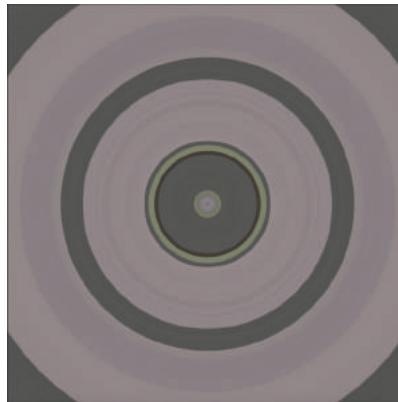
Average colour (emanating outwards from the start of the clip) for the 10 most viewed pornographic videos on the internet.



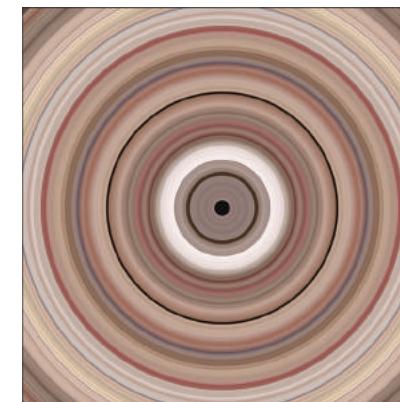
Porn Saturation #8
36,355,897 - CHARITY TAKES
IT HARD FOR AN ANAL
CREAMPIE



Porn Saturation #1
139,352,631 - KIM
KARDASHIAN SEX
TAPE WITH RAY J



Porn Saturation #2
49,150,362 - MILF
FUCKS DAUGHTERS
BOYFRIEND



Porn Saturation #3
48,868,179 - TEEN
MOM FARAH
ABRAHAM SEX
VIDEO



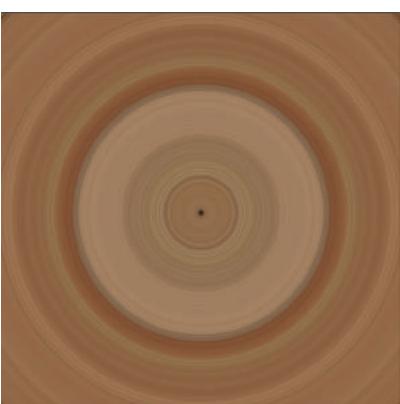
Porn Saturation #4
45,300,861 - KIM
K SEX TAPE PART
2 - PORNHUB
EXCLUSIVE



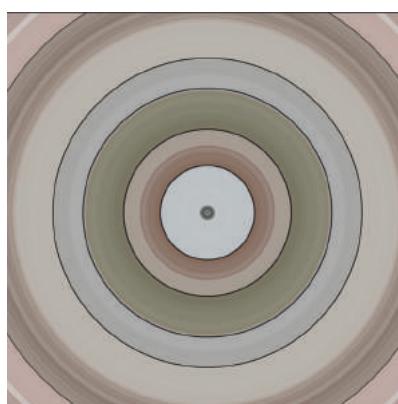
Porn Saturation #5
43,589,343 - TEEN
LATINA SQUIRTS
WHILE GETTING
CREAMPIED



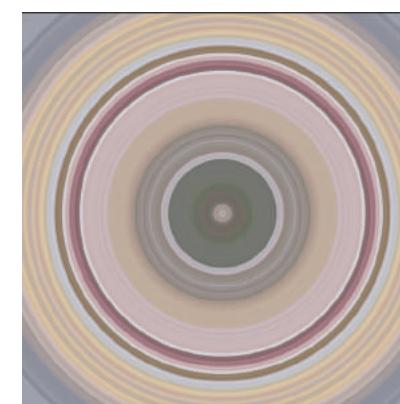
Porn Saturation #6
40,051,505 -
INTENSE ANAL
FUCKING



Porn Saturation #7
37,991,743 - BIG
BOOBS SHIONE
COOPER RIDES
MARK'S STIFF DICK



Porn Saturation #9
33,950,378 -
EXXXTRASMALL
- STEP BROTHER
TAKES ADVANTAGE
OF LITTLE SISTER

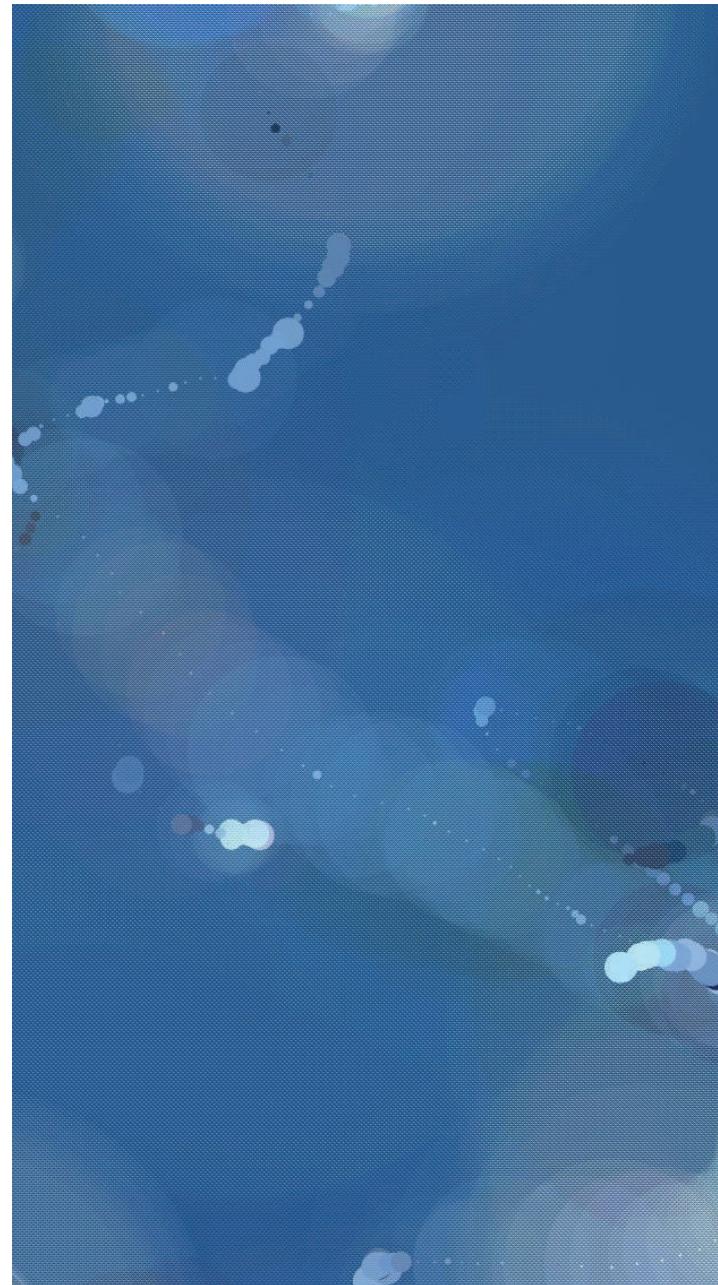


Porn Saturation #10
30,745,787 - MIA
KHALIFA STEPMOM
JULIANA VEGA
FUCKS AND SUCKS
HER BOYFRIENDS
COCK

Taking a Phone for a Walk

*2015, inkjet prints, somerset paper,
55x30cm. Series of 3, each with 5
individual mounted prints.
Editions of 3 + 1 artist proof*

iPhone app which generates images solely from the motion and colours from the camera. The app captures the experience of three walks, similar to that of a memory image. Walks from Central London, Hampstead Heath and Chicago.



12 stills taken from random points of Latent Space



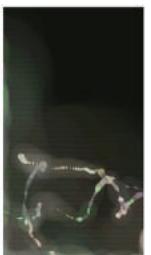
Five Walks around University College London
February 2016

Take a Phone for a Walk #1
Five Walks around Bloomsbury, London



Five Walks in Downtown Chicago, US
December 2015

Take a Phone for a Walk #2
Five Walks in Downtown Chicago



Five Walks on Hampstead Heath, London
January 2016

Take a Phone for a Walk #3
Five Walks around Hampstead Heath, London