



EvanMorgan

Researcher // Developer // Designer

Contact

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Web & Git

you-rhythmic.com
github.com/elmorg

Programming

C/C++
Java
Python
MATLAB
Max MSP
OpenFrameworks
Processing
Quartz Composer
VVVV

Platforms

Android
Linux
Mac OS X
Windows

Software

Adobe Creative Suite
Final Cut Pro
Logic Pro
Maxon Cinema 4D

Hardware

Motion tracking:
- Vicon IR markers
- Kinect
- Leap motion
Eye tracking
Physiological sensors
Arduino
XBee
Raspberry Pi
BeagleBone

Experience

- 04/16 - now **Research Associate** [School of Informatics, University of Edinburgh](#)
Researching digital interventions for behaviour change, with the aim of reducing energy use in both domestic and non-domestic buildings. I have organised and run workshops in the local Council and University in order to understand energy use and to co-design innovations.
- 09/11 - now **Freelance Creative Technologist** [Various clients, London](#)
Bespoke software for various projects - see *web portfolio*. Working with sound, motion, and physiological data processing and visualisation. Clients include Channel 4, the Royal Institution, and the Wellcome Collection.
- 03/13 - 09/14 **Android Developer** [Pubtran London](#)
Co-development of the London transport app, Pubtran, which received over 13,000 downloads on the Google Play Store.
- 03/12 - 09/12 **Interaction Designer** [Cinimod Studio, London](#)
Design, development and realisation of an installation that enabled members of the public to control the lights on the London Eye using their arm movements and heart beats.
- 07/10 - 09/11 **Biomedical Workshop Supervisor** [TBS GB Ltd., London](#)
Supervising 10 medical engineers and managing a biomedical workshop to meet high standards of medical equipment maintenance and repair.
- 01/08 - 07/08 **Performance Anxiety in Musicians** [Imperial College, London](#)
Working with musicians from the Royal College of Music, I investigated the ways in which performance anxiety is expressed physiologically.

Education

- 2011 - 2016 **PhD - Media & Arts Technology** [Queen Mary University of London](#)
Thesis title: *Measuring Affect for the Study and Enhancement of Collaborative Music Making*
Research: Using motion, eye tracking and physiological sensors to investigate aspects of co-present collaborative music making, and develop technologies to support interactions between musicians.
Modules: Design for Human Interaction, Real-time DSP, Interactive Digital Multimedia Techniques, Machine Learning, Artificial Intelligence.
- 2004 - 2008 **MEng - Biomedical Engineering** [Imperial College, London](#)
Modules: Digital Signal Processing, Medical Imaging, Image Processing, Digital System Design, Analogue Integrated Circuits and Systems, Computer Science, Control Engineering.
Business modules: Innovation Management, Project Management, Entrepreneurship.
- 1995 - 2003 **Secondary Education** [Ysgol Brynhyfryd, Ruthin, N. Wales](#)
A-levels: Biology (A), Chemistry (B), Maths (A), Physics (A).
GCSEs (A*- A): Art, English, French, Geography, History, Mathematics, Science.