

**ROB TOULSON**

Director of RT Sixty Ltd, London, UK

Date of Birth: 11 / 12 / 1976

**Academic Qualifications at HE Level:**

- **PhD in Acoustics Analysis and Digital Signal Processing** Anglia Ruskin University (1999 – 2004)
- **BEng (Hons) in Mechanical Engineering** Loughborough University (1996 – 1999)
- **PGCHE (Postgraduate Teaching Certificate in Higher Education)** Anglia Ruskin University (2005 - 2006)

**Professional Awards and Membership:**

- **CEng MIET** Chartered Engineer and Member of the Institute of Engineering and Technology
- **FHEA** Fellow of the Higher Education Academy
- Member of the Audio Engineering Society and founder of the AES Cambridge UK Section
- Member of the UK Music Producers Guild and the European Broadcasting Unit's PLOUD group

**Relevant Employment History:**

- **Founder and Director** RT Sixty Ltd (2019 – present day)  
Key responsibilities: mobile application development; research and development in music and audio technologies; marketing and commercialisation; business management; project management.
- **Professor of Creative Industries: Commercial Music** University of Westminster (2016 – 2019)  
Key responsibilities: research leadership advancement of knowledge; impact generation; grant applications; curriculum design; PhD student supervision; conference organisation; international dissemination.
- **Director of the Cultures of the Digital Economy (CoDE) Research Institute** Anglia Ruskin University (2011 - 2016 )  
Key responsibilities: research project and research staff management; income generation; grant application and bid writing mentoring; PhD student supervision; conference organisation; international dissemination.
- **Senior Lecturer in Music Technology and Electronics** Anglia Ruskin University (2005 – 2011)  
Key responsibilities: MSc course leader; research and knowledge transfer; grant applications; direct industrial consultancy; research publications; intellectual property development; course design and teaching.
- **Electronic Control Systems Engineer** Pi-Shurlok (2002 - 2005)  
Key responsibilities: electronic system architect; embedded control system design with C/C++; model based design and rapid prototyping with Matlab/Simulink; physical system modelling; customer liaison.
- **Digital Signal Processing Design Engineer** Harpley Engineering Ltd (1999 - 2002)  
Key responsibilities; DSP algorithm design with Matlab; intellectual property development; embedded control systems design with C/assembly; project management and quality management.

**Relevant HE Teaching Experience:**

- **Course Leader and Module Leader** for BA Commercial Music (University of Westminster)
- **Course Leader and Module Leader** for MSc Audio and Video Technology (Anglia Ruskin University)
- **Module Leader** for BSc Audio and Music Technology (Anglia Ruskin University)
- **Module Leader** for BEng Electronics (Anglia Ruskin University)

**Income Generation Successes as Principal Investigator:**

- **AHRC Digital Transformations Follow on Funding Project** (extension of AHRC Digital Transformations Project) to develop digital music applications, in collaboration with The University of West London (value £90k, Aug 2017).
- **Innovate UK Knowledge Transfer Partnership** with Glazing Vision to value of £149k to develop Internet of Things products and services for home automation systems (Feb 2016).
- **Innovate UK Knowledge Transfer Partnership** with LMK Thermosafe to value of £128k to develop graphical user interfaces and mobile applications for industrial controllers (Dec 2015).
- **KEEP Knowledge Exchange Projects** with Speed Media Ltd and Thompson Media to value £20k each for developing new interactive platforms for digital marketing (Feb 2015).
- **Mayo Clinic USA**, direct funding to value £25k to develop a novel digital documentary on healthcare procedures in a cancer-screening unit (Dec 2014).
- **AHRC Digital Transformations Project** to explore interactive digital music and mobile applications, in collaboration with The University of West London (value £80k awarded April 2014).

- **KEEP Knowledge Exchange Projects** with Posh Gecko Ltd to value £40k and £20k for enhancing 2D/3D animation and post production capabilities for digital film (March 2014).
- **KEEP Knowledge Exchange Project** with Calex Ltd to value £60k for developing digital systems for enhanced environmental and manufacturing efficiency (Feb 2014).
- **AHRC CX Creative Exchange Project**, to develop a mobile game using real-time weather data, in collaboration with Mudlark and Lancaster University (value £5k awarded June 2013).
- **NESTA/AHRC/Arts Council England Digital R&D Project** in collaboration with The Script and Agency Mobile to develop a new music delivery format for the music industry (value £125k awarded Feb 2013).
- **Direct Consultancy** with DTS for test and evaluation of audio algorithms, initial value £6k and ongoing consultancy as required (Jan 2012).
- **KEEP Knowledge Exchange Projects** with Irisense Ltd to develop user interfaces (value £96k) and to develop intrinsically safe digital sensors (value £80k) for digital for temperature analysis systems (both 2012).
- **KEEP Knowledge Exchange Project** with Calex Ltd to value £80k for developing digital systems for enhanced manufacturing efficiency (Jan 2012).
- **European Framework 7 Project** to value £195k in collaboration with ARU Built Environment Research Group and a number of European partners to assist with design, modelling and evaluation of novel Helmholtz sound absorbers for building construction (Sept 2011).
- **Knowledge Transfer Partnership Project** with STV awarded to value £129k for the development of in-house engineering capabilities (June 2008).
- **Knowledge Transfer Partnership Project** with AV Niche awarded to value £113k for the development of integrated interview recording systems (July 2007).
- **EEDA Proof of Concept Award** to value £27k for musical instrument tuning innovation (Sep 2007).
- **KEEP Knowledge Exchange Project** with AV Niche to value £26k for enhanced in-house software engineering capabilities (April 2009).
- **KEEP Project** with HERGA approved to value £21k for improving engineering efficiency (Aug 2007)
- **Direct Consultancy** with ARM to the value of £7k to develop learning materials for the ARM mbed rapid prototyping board and to support authoring of associated textbook on rapid prototyping and embedded systems design (Dec 2010).
- **EEDA Innovation Voucher** to value £3k with Audiggle for evaluation of audio fingerprinting algorithms (Nov 2010).
- **EEDA Innovation Voucher** to value £3k with Gimbalcom Ltd for development of a satellite receiver amplifier redundancy controller (Oct 2010).
- **EEDA Innovation Voucher** to value £3k with Audio Analytic in audio classification testing (Nov 2009).
- **Royal Society Travel Grant** to value £2k to present at 127<sup>th</sup> AES Convention, New York (Dec 2009).

### Research and Professional Experience:

- **PhD Examiner** (Externally Appointed) for 5 research students
- **PhD Supervisor** to Music and Audio Technology students researching disciplines including appropriated music for video games, stereo imaging, hi-resolution audio and hybrid music production systems (2 PhDs supervised to completion and 6 supervision projects currently in progress)
- **Conference Chair and Host** of the Audio Engineering Society Mastering Music Conference 2018 (University of Westminster)
- **Conference Chair and Host** of Innovation In Music Conference 2015 (Anglia Ruskin University) and 2017 (University of Westminster)
- **Conference Chair and Host** of Creative Communication Conference 2016 (Anglia Ruskin University)
- **UK Committee Member and International Conference Co-Chair of the Audio Engineering Society** (appointed January 2013)
- **Anglia Ruskin University Innovation and Knowledge Transfer Award Winner** for substantial contribution to knowledge transfer partnerships and development of intellectual property (£1k prize awarded July 2015).
- **Anglia Ruskin University Vice Chancellor Award Winner** for achievement above and beyond the expectations of academic staff (£2k prize awarded July 2010).
- **Director of RT Sixty Ltd** - sound, engineering and innovation consultancy (founded August 2008).
- **Co-founder of Half Ton Recording Studios**, Cambridge (founded January 2008).
- **Director of Red Planet Records** – DIY record label officially registered with PPL and AWAL organisations.
- **Member of the Brit Awards Voting Committee**
- **External Examiner** for validation and examination of MA Record Production and MA Audio Technology at The London College of Music, University of West London.
- **External Examiner** for MSc Sound and Music Technology at University of Hertfordshire.
- **External Examiner** for BA and MA Music Production at York St John University.
- **Reviewer and Technical Editor** for book publications, grant applications and academic Journals including: Reviewer of EPSRC research grant proposals in the field of sound engineering and music technology. Book

reviewer for Elsevier, Focal Press, CRC Publishing, Routledge. Journal and conference reviewer for The Art of Record Production, IEEE International Symposium on Industrial Electronics, Innovation In Music and the Audio Engineering Society.

- **TLQ 360 Leadership Training for Higher Education** course attended in 2016 (training provided by the Leadership Foundation for Higher Education)
- **ISO9000 Quality Management Training** attended in 2000 (provided by British Standards Institution)
- **ISO14000 Environmental Management Training** attended in 2001 (provided by Atkins)
- **DTI Project Management Programme** attended in 1999-2001 (provided by Knowledge Transfer Partnership)

### **Journal and Peer-Reviewed Publications:**

- Toulson, E. R. & Paterson, J. 2020** - User-Managed-Machine-Controlled Playback: the variPlay music app format for interactive commercial music, Arts (special issue): Music and the Machine: Contemporary Music Production, MDPI (final drafting for acceptance and publication in 2020).
- Toulson, E. R. & Hepworth-Sawyer, R. 2019** – Learning Journeys in Music Production Education, Journal of Music, Technology and Education, Routledge (accepted for publication in 2019).
- Patel, S., Toulson, E.R. & Azuaje. 2019** - The Beginning of a Beautiful Relationship: A Case Study Exploration of Collaborative Creative Practice. In: The Palgrave Handbook of Screen Production, Palgrave/Macmillan. (accepted for publication in 2019).
- Toulson, E.R. 2019** - Consumer Music Formats: Past, Present and Future, In: Bloomsbury Companion on Music Production, Bloomsbury Press. (accepted for publication in 2019).
- Toulson, E. R. 2019** - Analog reconstruction of transient digital audio workstation signals at high resolution sample frequencies, accepted for publication as a book chapter in Innovation In Music: Performance, Production, Technology and Business, Routledge, New York (accepted for publication in 2019).
- Sheppard, M., Toulson, E. R & Fachner, J. 2019** - Acoustic transmission of metadata in audio files using Sonic Quick Response Codes (SQRC), accepted for publication as a book chapter in Innovation In Music: Performance, Production, Technology and Business, Routledge, New York (accepted for publication in 2019).
- Toulson, E. R. & Burgess, R. J. 2017** - Singer-Songwriter meets Music Production and Studio Technology, in: The Bloomsbury Handbook for the Singer Songwriter, Bloomsbury Press, ISBN 9781628920291.
- Toulson, E. R. 2017** - The Dreaded Mix Sign-Off: handing over to mastering, in: Perspectives on Music Production: Mixing Music, Routledge, ISBN 9781138218734
- Toulson, E. R. 2016** - Interview with Mix Engineer David Wrench, in: Innovation In Music II, Future Technology Press, October 2016, ISBN 9781911108047.
- Toulson, E. R. & Paterson, J. 2016** - Interactive Digital Music: enhancing listener engagement with commercial music, in: Innovation In Music II, Future Technology Press, October 2016, ISBN 9781911108047.
- De Groen, P. C., Lopez, M., Patel, S., Szewczynski, M. & Toulson, E. R. 2016** - *Combining Science with Art to Educate and Motivate Patients prior to Colorectal Cancer Screening*, in: Smart Education and e-Learning 2016, Springer, June 2016, ISBN 9783319396897.
- Toulson, E. R & Shakhovskoy, J. 2015** - Future Music Formats: evaluating the 'album app', The Journal on The Art of Record Production, Issue 10, ISSN: 1754-9892.
- Toulson, E. R., Campbell, W. & Paterson, J. 2014** - Evaluating harmonic and intermodulation distortion of mixed signals processed with dynamic range compression, in: Innovation In Music 2013, Future Technology Press, ISBN 9780956151681.
- Toulson, E. R., Grint, B. & Staff, R. 2014** - Embedding ISRC Identifiers in Broadcast Wave Audio Files, in: Innovation In Music 2013, ISBN 9780956151681.
- Campbell, W., Toulson, E. R. & Paterson, J. 2014** - A Quantitative Evaluation of Signal Masking in Summed and Compressed Audio, in: Innovation In Music, ISBN 9780956151681.
- Patel, S. & Toulson, E. R 2014** - Educating and Enhancing Compassion, Emotion and Reflective Professional Practice through Contemporary Digital Filmmaking, in: SMART Digital Futures 2014, IOS Press, ISBN: 978614994046.
- Sanaei, A., Toulson, E. R. & Cole, M. 2014** - Tuning and optimisation of an Electric Network Frequency extraction algorithm, The Journal of the Audio Engineering Society, Jan 2014, ISSN: 15494950.
- Toulson, E. R. 2013** – The Lagoglyph Sound System, in: Making Art in Context, ISBN: 978-0956560865,
- Richardson, P. G. M., Toulson, E. R. & Nunn, D. J. E. 2012** – Analysis and manipulation of the modal ratios of cylindrical drums. J. Acoust. Soc. Am. Volume 131, Issue 1, pp. 907-913 (2012). ISSN: 0001-4966.
- Richardson, P. G. M. & Toulson, E. R. 2011** – Drum tuning education, The Journal on The Art of Record Production, Issue 6, ISSN: 1754-9892.
- Toulson, E. R. 2011** – Media and music technology education. The Journal on The Art of Record Production, Issue 6, ISSN: 1754-9892.
- Toulson, E. R. 2011** - Creation of media-based learning material for audio and music technology, ARU Inspire Networks, Issue 14, ISSN: 1743-9787.

- Toulson, E. R. 2010** - Mixing can be simple, you just have to think one step ahead... Sound On Sound, March 2010, p202, ISSN: 0951-6816.
- Toulson, E. R., Cuny-Cringy, C., Robinson, P. & Richardson, P. G. M. 2009** - The perception and importance of drum tuning in live performance and music production, The Journal on the Art of Record Production, Issue 4, ISSN: 1754-9892.
- Toulson, E. R. 2008** - Can We Fix It? The consequences of 'fixing it in the mix' with common equalisation techniques are scientifically evaluated, The Journal on the Art of Record Production, Issue 3, ISSN: 1754-9892.
- Toulson, E. R. 2001** - An inertia measuring system to automatically grade sugar beet, Landwards – The Institute of Agricultural Engineers, Volume 5(4), pages 8 – 12, ISSN: 0308-5732.

### **Conference Papers and Presentations:**

- Toulson, E.R & Hardin, M. 2019** - Development and Evaluation of Internet of Things Technologies for Music Production and Creative Collaboration presentation at The Art of Record Production Conference, Boston (USA), May 2019.
- Hardin, M. & Toulson, E.R 2019** - Quantitative analysis of streaming protocols for enabling Internet of Things (IoT) audio hardware, proceedings of The Audio Engineering Society Conference, Dublin, March 2019.
- Sheppard, M. & Toulson, E.R 2019** - Evaluating white noise degradation on Sonic Quick Response Code (SQRC) decode efficacy proceedings of The Audio Engineering Society Conference, Dublin, March 2019.
- Toulson, E.R. & Gogerly, S. 2018** – From Prototype to Product: using agile methods in popular music production, presentation at The Art of Record Production Conference, Huddersfield, September 2018.
- Toulson, E. R. & Paterson, J. 2018** - Interactive Recorded Music: Past, Present and Future, proceedings of The Audio Engineering Society Conference, New York, October 2018.
- Toulson, E. R. & Paterson, J. 2018** - Live-Market Evaluation of Interactive Music Apps, presentation at International Association on the Study of Popular Music Conference, Huddersfield, September 2018.
- Toulson, E. R., Hepworth-Sawyer, R. and Paterson, J. 2018** - Mastering Music for Multi-Stem and Interactive Applications, presented at the Audio Engineering Society Mastering Conference, London, September 2018.
- Toulson, E. R. 2017** - The Resonant Tuning Factor: a new measure for quantifying the setup and tuning of cylindrical drums, proceedings of The Audio Engineering Society Conference, New York, October 2017.
- Toulson, E. R. 2017** – Learning Journeys in Music Production Education, keynote presentation at the Music Production Education Conference, York, June 2017.
- Sheppard, M., Toulson, E. & Lopez, M. 2016** - Sonic Quick Response Codes (SQRC) for embedding inaudible metadata in sound files, proceedings of The Audio Engineering Society Conference, Los Angeles, October 2016.
- Nykanen, A., Lopez, M. & Toulson, E. R. 2016** - Safe and Sound Drive: Design of Interactive Sounds Supporting Energy Efficient Behaviour, Interactive Audio Systems Symposium. York, September 2016.
- Toulson, E. R. & Cirstea, S. 2014** - Holistic Acoustic Absorber Design: from modelling and simulation to laboratory testing and practical realization. Peer reviewed and accepted for publication in proceedings of The Audio Engineering Society, Oct 2014.
- Toulson, E. R. 2012** - Mastering a Multi-Genre Compilation Album in the Era of The Loudness War, Proceedings of The Art of Record Production Conference, Quebec, Canada, July 2013.
- Aaron, S., Cross, I., Gill, S., Himberg, T., Hoadley, R., Odell-Miller, H. & Toulson, E.R. 2012** - Touching Sound: technologies for mediated interaction in music therapy, 7th Nordic Music Therapy Congress, University of Jyväskylä, Finland, June 13-17.
- Sanaei, A., Toulson, E. R. & Cole, M. 2012** - Tuning and optimization of an Electric Network Frequency extraction algorithm, The Audio Engineering Society's 46th International Conference on Audio Forensics: Recording, Recovery, Analysis, and Interpretation, June 2012.
- Gadde, Y., Cirstea, M., Toulson, E. R. & Allingham, E. 2012** - An optimised development model for high volume electronic products, Proceedings of Optimization of Electrical and Electronic Equipment (OPTIM), 2012 13th International Conference, Romania, May 2012, pages 1325 – 1330.
- Richardson, P. G. M. & Toulson, E. R. 2010** – Drum Tuning Education, Proceedings of The Art of Record Production Conference, Leeds, UK, December 2010.
- Richardson, P. G. M. & Toulson, E. R. 2010** – Clearing the Drumhead, Proceedings of Reproduced Sound, Cardiff, UK, November 2010.
- Toulson, E. R. 2010** – Media and Music Technology Education, Proceedings of The Art of Record Production Conference, Leeds, UK, December 2010.
- Campbell, W., Toulson, E. R. & Paterson, J. 2010** - The effect of dynamic range compression on the psychoacoustic quality and loudness of commercial music, Proceedings of Internoise 2010 Conference, Lisbon, June 2010.
- Toulson, E. R. 2009** - Percussion Analysis and Quantitative Drum Tuning, tutorial presentation at The 127th Audio Engineering Society Convention, New York, October 2009.

- Toulson, E. R. & Campbell, W. 2009** - The life and death of dynamic range: who decides how loud? Proceedings of The Art of Record Production Conference, Cardiff, Wales, November 2009.
- Toulson, E. R. 2008** - Evaluation of a Hybrid Hydraulic Launch Assist System for use in Small Road Vehicles, Proc. of IEEE International Symposium on Industrial Electronics, ISIE 2008, Cambridge, Jun 2008.
- Toulson, E. R. 2008** - Advanced Rapid Prototyping in Small Research Projects with Matlab/Simulink, Proc. of IEEE International Symposium on Industrial Electronics, ISIE 2008, Cambridge, Jun 2008.
- Toulson, E. R. 2008** - Managing Widening Participation in Music and Music Production, Proceedings of the Audio Engineering Society UK Conference, Cambridge, April 2008.
- Toulson, E. R. 2006** - A Need for Universal Definitions of Audio Terminologies and Improved Knowledge Transfer to the Audio Consumer, Proceedings of The Art of Record Production Conference, Edinburgh, September 2006.

### **Books and Edited Publications**

- Hepworth-Sawyer, R., Hodgson, J., Paterson, J. and Toulson, E. R. (editors) 2019** - Innovation In Music: Performance, Production Technology and Business, Routledge, New York (accepted for publication in 2019).
- Hepworth-Sawyer, R., Hodgson, J., Paterson, J. and Toulson, E. R. (editors) 2016** - Innovation In Music II, Future Technology Press, October 2016, ISBN 9781911108047.
- Toulson, E. R. & Wilmshurst, T. 2016** - Fast and Effective Embedded Systems Design: Applying the ARM mbed, 2<sup>nd</sup> Edition, Elsevier Publishing, Oxford, 2016 ISBN 9780081008805.
- Hepworth-Sawyer, R., Hodgson, J., Paterson, J. and Toulson, E. R. (editors) 2014** - Innovation In Music 2013, Future Technology Press, Dec 2014, ISBN 9780956151681.
- Toulson, E. R. & Wilmshurst, T. 2012** - Fast and Effective Embedded Systems Design: Applying the ARM mbed, Elsevier Publishing, ISBN: 9780080977683 (Chinese edition also published in 2014)

### **Published Patent Applications (as Named Inventor):**

- Toulson, E. R. & Paterson, J. 2017** – Cross-Fading Between Audio Files, PCT patent application number WO2016EP75207.
- Toulson, E. R. & Paterson, J. 2015** – Cross-Fading Between Audio Files, British patent application number 1518717.2.
- Toulson, E. R., Cirstea, S. & Flotre, B. 2014** – Sound Absorbing Film, Norwegian patent application number 20140549.
- Toulson, E. R. 2008** - Instrument Tuning Device, International (PCT) Patent application number PCT/GB2009/002017.
- Toulson, E. R. 2007** - Instrument Tuning Device, British Patent application number GB0713649.2.
- Toulson, E. R. & Sweet, G. W. 2003** - Inertial Classification, British Patent No.01 08938.2

### **Invited Workshops, Tutorials and Special Events:**

- Toulson E.R 2018** – AES Student Delegate Assembly Keynote, Audio Engineering Society Conference, New York, October 2018.
- Toulson, E. R. & Paterson, J. 2018** - Get Inside the Music: connecting artists and audiences through interactive music apps, Audio Engineering Society Conference, New York, October 2018.
- Toulson, E.R., Parnell, M., Gibson, T., Baughman, S & Gonsalves, A. 2017** - Insights on collaboration in commercial music production, Audio Engineering Society Conference, New York, October 2018.
- Toulson, E. R. & Paterson, J. 2015** – Interactive Music: future listening experience, Audio Engineering Society Conference, New York, October 2015.
- Toulson, E. R, Massenburg, G., Parnell, M., Proper, D. & Prent, R. 2015** – Mixing Meets Mastering: where the line becomes blurred. Audio Engineering Society Conference, Warsaw, May 2015.
- Toulson, E. R. & Paterson, J. 2015** – Interactive Music: past, present and future..., Audio Engineering Society Conference, Warsaw, May 2015.
- Toulson E. R. 2014** – The Future of Music, invited lectures at Natural History Museum, London, June 2014.
- Toulson, E. R., Lubich, A., Parnell, M. & Shakhovskoy, J.** Mastering Our Future Music, Audio Engineering Society Conference, Berlin, April 2014.
- Toulson, E. R. 2014** – Case Studies in Modern Music Production: where science meets art'. Invited lecture for the Institute of Acoustics, Salford, March 2014
- Toulson, E. R 2013** - Music Technology and Sound Engineering at Anglia Ruskin University: Research, Innovation and Knowledge Transfer, Audio Engineering Society British Section seminar (held at Dolby Labs HQ), Nov 2013.
- Toulson, E. R, Parnell, M., Romanowski, M. & Shakhovskoy, J.** Mastering Our Future Music, Audio Engineering Society Conference, New York, Oct 2013.

- Toulson, E. R. 2013** – Cross-Disciplinary Collaboration Projects in Cambridge, Knowing Conference, Valencia, June 2013.
- Toulson, E. R. 2012** – Hearing is Believing, presented at The Audio Engineering Society Leeds seminar, May 2012.
- Toulson, E. R. 2011** – Exploring Digital Culture, presented at CoDE research seminar, Cambridge, November 2011.
- Toulson, E. R. 2010** - Audio Signal Processing and Rapid Prototyping with the ARM mbed, presented at The Audio Engineering Society Cambridge UK seminar, October 2010.
- Toulson, E. R. 2010** - Creation of Media-Based Learning Material for Audio and Music Technology, workshop presented at Illuminate 11th Annual Learning and Teaching Conference, Chelmsford, July 2010.

### Films and Videos:

- Patel, S. & Toulson, E. R. 2019** – Waltzing on the River (virtual reality film), submitted to LOROS Hospice VR for Good film competition. (Rob Toulson credited sound designer)
- Patel, S. & Toulson, E. R. 2016.** The Crossing. Exhibited at the Ruskin Digital Gallery, April 2016. (Rob Toulson credited Assistant Producer and Sound Designer)
- Patel, S., Lopez, M. & Toulson, E. R. 2015.** The Bottom Line – understanding colorectal cancer screening, Anglia Ruskin University, Mayo Clinic USA (awaiting release). (Rob Toulson credited Co-Producer).
- Toulson, E. R. 2010.** How to Record and Orchestra. Anglia Ruskin University (iTunes U). Available at <https://itunes.apple.com/us/itunes-u/how-to-record-an-orchestra/id550135885>
- Toulson, E. R. 2010.** Samba band recording case study, available at <http://www.robtoulson.com>

### Commercial Software Development:

- Rock It iPhone variPlay App** (interactive music album app for artist Ofenbach). Published in the Apple App Store in March 2019 by Warner Music Group. (Rob Toulson lead designer and developer).
- Que Tiene iPhone variPlay App** (interactive music album app for artist Ximena Sarinana). Published in the Apple App Store in September 2018 by Warner Music Group. (Rob Toulson lead designer and developer).
- Plan (Something Good) iPhone variPlay App** (interactive music album app for artist Defab1 featuring Vanessa Knight). Published in the Apple App Store in September 2018 by RT Sixty Ltd. (Rob Toulson lead designer and developer).
- Chasing Infinity iPhone variPlay App** (interactive music album app for artist Asympt Man). Published in the Apple App Store in August 2018 by RT Sixty Ltd. (Rob Toulson lead designer and developer).
- iDrumTune Pro iPhone App** enhanced version of original iDrumTune application for enabling drummers and percussionists to repeatedly tune their drums to musical frequencies. Published in the Apple App Store by RT Sixty Ltd in June 2017. (Rob Toulson, lead designer and developer). (Achieved number 1 music app chart position in 37 countries and top 10 in 67 countries).
- Red Planet EP iPhone App** (interactive music album app for artist Daisy and The Dark). Published in the Apple App Store in July 2015 by RT Sixty Ltd. (Rob Toulson lead designer and developer).
- Piano Ombre iPhone App** (music album app for Francois and the Atlas Mountains). Published in the Apple App Store in March 2014 by Agency Mobile. (Rob Toulson co-designer).
- iDrumTune iPhone App** for enabling drummers and percussionists to repeatedly tune their drums to musical frequencies. Published in the Apple App Store by RT Sixty Ltd. Over 30,000 downloads since launch in July 2012. (Rob Toulson, lead designer and developer).

### Music Production Credits:

- Mediaeval Baebes, “A Pocketful of Posies”**, Published by Adam and Eve Ltd, released June 2019 (Rob Toulson credited Recording, Mixing and Mastering Engineer).
- Asympt Man, “Mad Dogs and Englishmen”**, Published by Red Planet Records, released November 2018 (Rob Toulson credited Songwriter, Performer, Recording, Mixing and Mastering Engineer).
- Asympt Man, “Chasing Infinity”**, Published by Red Planet Records, released July 2018 (Rob Toulson credited Songwriter, Performer, Recording, Mixing and Mastering Engineer).
- Mediaeval Baebes, “Victoriana”**, Published by Adam and Eve Ltd, released November 2017 (Rob Toulson credited Recording, Mixing and Mastering Engineer).
- Ethan Ash, “Breakfast EP”**, Published by Hot Toast Records, released July 2017 (Rob Toulson credited Producer, Recording Engineer and Mastering Engineer).
- Ethan Ash, “Boy Like Me”**, Published by Hot Toast Records, released June 2016 (Rob Toulson credited Producer, Recording Engineer and Mastering Engineer).
- Daisy and The Dark, “Circus EP”**, Published by Red Planet Records, released July 2016 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Performer).

**From The Deep, "From The Deep"**, Published by Adam and Eve Ltd, released November 2015 (Rob Toulson credited Recording, Mix and Mastering Engineer). Reviewed 8/10 by Mojo and Classic Rock Magazine.

**Daisy and The Dark, "Red Planet EP"**, Published by Red Planet Records, released July 2015 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Performer).

**Jay Williams and I Strip For Couples, "The Nature of Things"**, Published by Jason Williams, released May 2015. (Rob Toulson credited Recording Engineer).

**Ethan Ash, "Face To Face EP"**, Published by Hot Toast Records, released March 2015 (Rob Toulson credited Producer and Recording Engineer).

**Daisy and The Dark, "Waltzing EP"**, Published by Red Planet Records, released February 2015 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Performer).

**I Strip For Couples, "Fault Jam/Guilty Pleasures"**, Published by Jason Williams, released May 2014. (Rob Toulson credited Recording Engineer).

**Mediaeval Baebes, "Of Kings and Angels"**, Published by Adam and Eve Ltd, released November 2013 (Rob Toulson credited Recording and Mix Engineer). Reached number 8 in the UK Classical Music Charts. Reviewed 4/5 in both The Times and The Sun Newspapers.

**Ethan Ash, "Haven't Got There Yet"**, Published by Hot Toast Records, released August 2013 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Mastering Engineer).

**Flaming June, "Rumpelstiltskin & The Perils and Promises of Womanhood EP"**, Published by Anchoress Records, released April 2013 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Mastering Engineer).

**Eureka Stockade, "Through Every Darkness"**, Published by Cracking Tunes, released March 2013 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Songwriter and Performer).

**Mediaeval Baebes, "The Huntress"**, Published by Adam and Eve Ltd, released November 2012 (Rob Toulson credited Recording Engineer, Mix Consultant and Mastering Engineer). Reviewed 8/10 by Uncut Magazine.

**Mediaeval Baebes, "Devotion"**, Published by Adam and Eve Ltd, released November 2012 (Rob Toulson credited Mastering Engineer).

**Pythia, "Betray My Heart"**, Published by Golden Axe, released December 2011 (Rob Toulson credited Mastering Engineer). Received over 37,000 YouTube views.

**Eureka Stockade, "All Alone"**, Published by Cracking Tunes, released November 2011 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Songwriter and Performer).

**Flaming June, "Nerves of Steel EP"**, Published by Anchoress Records, released September 2011 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Mastering Engineer). Awarded FATAE Magazine's "Single/EP of the Year" 2011.

**Eureka Stockade, "Without You"**, Published by Cracking Tunes, released May 2011 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Songwriter and Performer).

**Eureka Stockade, "She Got Good"**, Published by Cracking Tunes, released March 2011 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Songwriter and Performer).

**Eureka Stockade, "Violence"**, Published by Cracking Tunes, released February 2011 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Songwriter and Performer).

**Mediaeval Baebes, "Temptation"**, Published by Adam and Eve Ltd, released December 2010 (Rob Toulson credited Recording Engineer and Mix Engineer).

**Eureka Stockade, "Eureka Stockade"**, Published by Cracking Tunes, released December 2010 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Songwriter and Performer).

**Under The Streetlamp, "New Mexico"**, Published By Cracking Tunes, released November 2010 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Mastering Engineer).

**Ethan Ash, "No Early Nights"**, Published by Cracking Tunes, released November 2010 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer and Mastering Engineer). Awarded iTunes "Single of the Week" November 2010.

**Ethan Ash, "Ethan Ash"**, Published by Cracking Tunes, released January 2010 (Rob Toulson credited Producer, Recording Engineer and Mix Engineer).

**The Winter Kings, "The Gallows On The Shore"**, Published by The Winter Kings, released September 2009 (Rob Toulson credited Recording Engineer).

**Eureka Stockade, "Distant Lives"**, Published by Cracking Tunes, released June 2009 (Rob Toulson credited Producer, Recording Engineer, Mix Engineer, Mastering Engineer, Performer).

**The Winter Kings, "Black Caravan/Lullaby/Landmines"**, Published by Hope Street Music, released April 2009 (Rob Toulson credited Recording Engineer).

**Greg McDonald, "Stranger At The Door"**, Published by Sugartown Records, released July 2008 (Rob Toulson credited Recording Engineer). Reviewed 4/5 by Q Magazine.