Dr Joseph Reddington

CONTACT
INFORMATION

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APPOINTMENTS

Lecturer, Information Security Department, Royal Holloway, University of London 2023-Present
I teach Information Security Management and ISO 27000 certification, supervised undergrad and masters projects and acted as liason between the Computer Science and information security Departments In 2023 I won two teaching prizes for innovative and effective teaching methods.

CEO, eQuality Time LTD   2014-2023
In 2014 I founded the charity, eQuality Time. Over the next ten years I brought in almost a million pounds of funding, managed staff, developed policies and successfully managed an array of projects for local government, prisons, schools, and other clients. We worked with thousands of end-users in person and thousands more online.

Research Assistant roles, Royal Holloway, University of Aberdeen, and University of Teeside   2009-2014
I carried out research on a range of short term contracts. Topics included programming language design, compilers, analysis of sensor data and Artificial Intelligence.

Analyst Programmer, QCC Information Security   2009
Working within a team of forensic analysts I produced tools and developed processes to support extraction and interpretation of forensic data. This supported such activities as evidence capture from seized computers and mobile phones, tracking of mobile phones by cell signal, and penetration testing.

EDUCATION

Royal Holloway College, University of London,

Ph.D. Computer Science,   2004-2009

Title: Instruction Selection for customisable processors
Supervisors: Prof. E. Scott and Prof. A. Johnstone

Working as part of the Theory of Computing Group I developed improvements to algorithms generating new instruction sets for reconfigurable hardware.

B.Sc. Computer Science with Communications, First class (Hons),   2001-2004

Dissertation project: Simulation of TCP flow control methods in Java.

SELECTED
PUBLICATIONS

Journal papers and book chapters

J. Reddington, The Domesday Project: an open dataset for AAC provision, Journal of Intellectual Disability, 2013

L. Coles-Kemp, and J. Reddington, Not So Liminal Now: The Importance of Designing Privacy Features Across a Spectrum of Use, Chapter in Digital Enlightenment Forum Yearbook 2013: The Value of Personal Data, IOS Press, 2013

G. Gutin, A. Johnstone, J. Reddington, E. Scott, and A. Yeo, An algorithm for finding input and output constrained convex sets in an acyclic digraph, Journal of Discrete Algorithms, 2012

J. Reddington and K. Atasu, On the complexity of instruction set selection algorithms, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2011

L. Coles-Kemp, J. Reddington, and P. Williams, Looking at clouds from both sides: The advantages and disadvantages of placing personal narratives in the cloud, Information Security Technical Report, 2011

F. Murtagh, A. Ganz, and J. Reddington, New Methods of Analysis of Narrative and Semantics in Support of Interactivity, Entertainment Computing, 2011

P. Balister, S. Gerke, G. Gutin, A. Johnstone, J. Reddington, E. Scott, A. Soleimanfallah, and A. Yeo, Algorithms for generating convex sets in acyclic digraphs, Journal of Discrete Algorithms 7 (2009)

Conference papers

E. A. Quaglia and J. Reddington, Reframing Cyber Security for the Next Generation of Digital Activists, Proceedings of the 28th Colloquium for Information Systems Security Education (CISSE), Virtual, 2024

J. Reddington, Standing on the shoulders of giants: attacking the meta-problems of technical AAC research, SLPAT 2014

J. Reddington, D. Cowie, and F. Murtagh, Computational Properties of Fiction Writing and Collaborative Work, IDA2013, 2013

J. Reddington and N. Tintarev, Automatically Generating Stories from Sensor Data, Proceedings of the 15th International Conference on Intelligent User Interfaces - IUI '11, pp. 407

J. Reddington and L. Coles-Kemp, Trap Hunting: Finding Personal Data Management Issues in Next Generation AAC Devices, Second Workshop on Speech and Language Processing for Assistive Technologies (SLPAT), 2011

R. Black, J. Reddington, E. Reiter, N. Tintarev, and A. Waller, A Mobile Phone Based Personal Narrative System, The 12th International ACM SIGACCESS Conference on Computers and Accessibility, 2011

N. Tintarev and J. Reddington, Ubiquitous User Modeling for a Complex Communication Aid, Ubiquitous User Modeling Workshop, Haifa, Israel, 2011

F. Murtagh, A. Ganz, and J. Reddington, Semantics of narrative in collective, distributed problem-solving environments, International Conference on Correspondence Analysis and Related Methods (CARME), 2011

J. Reddington and G. Gutin, Better than optimal: Fast identification of custom instruction candidates, Proc. 7th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing, 2009

G. Gutin, A. Johnstone, J. Reddington, E. Scott, and A. Yeo, An algorithm for finding input-output constrained convex sets in an acyclic digraph, Proc. WG08, Lect. Notes Comput. Sci. 5344, 2008

G. Gutin, A. Johnstone, J. Reddington, E. Scott, A. Soleimanfallah, and A. Yeo, An algorithm for finding connected convex subgraphs of an acyclic digraph, In 'Algorithms and Complexity in Durham, 2007', College Publications, 2008