

Andrew Garbett

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Education

Newcastle University (TBC, 2017)

Doctor of Philosophy Computing Science

University of Lincoln (Awarded 2010)

Bachelor of Science in Software Engineering 1st Class (Hons)

BTEC (Level 3) National Diploma IT Practitioners (A Level: AAA)

Employment

Open Lab, Newcastle University (August 2014 – February 2015)

Research Associate - Past Paths Project (Microsoft Research & Tyne and Wear Archives and Museums)

- Lead designer and developer of novel search interface for exploring and visualizing large scale digitized museum collections.
- Discovery interface continues to be used as the primary discovery experience for the Tyne and Wear Archives and Museums online collections.

BBC, Research and Development (January 2014 – May 2014)

Interaction Designer – Internship

- Interviewed professional journalists to understand existing practices of incorporating citizen journalists into the national news production workflow.
- Worked within the User Experience group at BBC Research and Development based in Salford.
- Published findings and design recommendations for the design of Social Search and recommendation systems for use in professional news media context.

Lincoln Social Computing Research Centre, University of Lincoln (Dec 2010 – Feb 2013)

Research Assistant – EPSRC ENACT Project (Exploiting Social Networks to Augment Cognitive Behavioural Therapy, EP/I000615/1)

- Designed and deployed large scale social network to delivery Computerised Cognitive Behavioural Therapy for patients living with Insomnia.
- Developed a clinically validated sleep measurement mobile application for Android platform that provided automated sleep restriction therapy derived from sleep efficiency scores evaluated by the application.
- Contributed to the production of research materials concerning behavioural change through the use of online social network technology.

Software Europe (June 2010 – December 2010)

Trainee Developer

- Designed and implemented web based support ticket system for leading expenses management software company using ASP.NET / C#, JavaScript and MSSQL.

Centre for Research in Open Source Software, University of Lincoln (June 2009 – August 2009)

Research Assistant – Collaborative Development for the XO-1 Laptop (CODEX 2)

- Compiled a student developer friendly USB Bootable Linux Distribution and associated learning materials to engage university students in developing for the XO-1 (One Laptop Per Child) operating system.

East Midlands Officer Training Corps, British Army (September 2008 – June 2010)

Officer Cadet

- Engaged in leadership, communication and critical thinking skills through a series of taught and practical training modules provided by the British Army during my studies at University.
- Completed Military Leadership Development Program Levels 1 (Military Skills) and 2 (Leadership / Officer Skills).

Publications

1. Morrissey, K., **Garbett, A.**, Jenkins, E., Olivier, P., Wright, P., Brittain, K. **Care and Connect: exploring dementia-friendliness through an online community commissioning platform**, In Press CHI 2017.
2. Simpson, E., Comber, R., **Garbett, A.**, Jenkins, E., Balaam, M. 2017. **Experiences of Delivering a Public Health Data Service**. In Press CHI 2017
3. Elsdon, C., Chatting, D., Durrant, A., Nissen, B., **Garbett, A.**, Vines, J., Kirk, D. 2017. **On Speculative Enactment**. In Press CHI 2017.
4. **Garbett, A.**, Jenkins, E., Comber, R., Olivier, P. 2015. **App Movement: A platform for community commissioning of mobile applications**. In CHI 2016, 7 – 12 May, San Jose.
5. Simpson, E., **Garbett, A.**, Comber, R., Balaam, M. 2016. **Factors important for women who breastfeed in public: a content analysis of review data from FeedFinder**, In BMJ Open. BMJ Publishing Group.
6. Elsdon, C., Nissen, B., **Garbett, A.**, Chatting, D., Kirk, D., Vines, J. 2016. **Metadating: Exploring the Romance and Future of Personal Data**. In CHI 2016, 7 – 12 May, San Jose
7. Coburn, J., **Garbett, A.**, Gosset, P., Harper, R., Wright, P. 2016. **I don't know what I'm looking for: Better understanding public usage and behaviours with Tyne & Wear Archives & Museums online collections**. In Museums and the Web 2016.
8. Balaam, M., Comber, R., Jenkins, E., **Garbett, A.** 2015. **FeedFinder: A Location-Mapping Mobile Application for Breastfeeding Women**. In CHI2015, 18 – 23 April, Seoul.
9. **Garbett, A.**, Wardman, J., Kirman, B., Linehan, C., Lawson, S. 2015. **Anti-social media: Communicating risk through Open Data crime maps and locative media**. In HCI Korea 2015, Seoul

10. **Garbett, A.**, Comber, R., Egglestone, P., Olivier, P. 2013. **Finding “Real People”: Trust and Diversity in the Interface Between Professional and Citizen Journalists.** In CHI 2014, 26 April – 1 May, Toronto
11. **Garbett, A.**, et al. 2013. **Validating a mobile phone application for the everyday, unobtrusive, objective measurement of sleep.** In CHI 2013, 27 April – 2 May 2013, Paris.
12. Jamison-Powell, S., Linehan, C., Dayley L., **Garbett, A.**, Lawson, S. 2012. **I can't get no sleep: discussing #insomnia on twitter.** In CHI 2012, 5 – 10 May, Austin
13. **Garbett, A.**, Linehan, C., Kirman, B., Wardman, J., Lawson, S. 2012. **How dangerous is your life? Personalising Government Open Crime Data.** In CHI 2012 Personal Informatics in Practice: Improving Quality of Life Through Data Workshop. 5-10 May 2012, Austin.
14. **Garbett, A.**, Linehan, C., Kirman, B., Wardman, J., Lawson, S., 2010. **Using social media to drive public engagement with open data.** In Digital Engagement '11. 15-17 November 2011, Newcastle, UK.
15. **Garbett, A.** & Lieser, K., Boldyreff, C. 2010. **Collaborative Development for the XO-1 Laptop: CODEX 2.** Open Source Software: New Horizons

Research Projects

App Movement: An online platform to enable communities to commission peer-to-peer information resources

App Movement is an online platform that enables communities to propose and promote ideas for mobile applications in response to community needs, collaboratively design the concept through a series of customisable features, and automate the development and deployment of a customised app.

App Movement was launched in February 2015 and now has over 48,000 users who have created over 105 app campaigns and automatically generated 19 mobile applications to support communities in finding dementia friendly places, gender neutral toilets, and drone flying locations, and many more.

I led team in the design and development of the platform and co-developed the web application, database schema, Android mobile application, automated build process, and associated data exchange APIs.

Technologies: PHP (CakePHP), MySQL, Python, Java (Android)
<https://app-movement.com>

Past Paths: Reconceptualising the Online Museum Experience

In collaboration with Tyne & Wear Archives and Museums, Nesta and Microsoft Research a novel discovery interface has been developed that aims to improve public access and engagement with digital heritage collections. The exploratory web platform and novel search interface has been implemented as part of the Tyne & Wear Archives and Museums' online collections and aims to encourage people to search and discover museum content online.

Technologies: PHP (CakePHP), Neo4J Graph Database, MongoDB, D3 Web GL, JQuery
<http://collectionsdivetwmuseums.org.uk>

[FeedFinder: Helping mothers find breastfeeding friendly locations](#)

The FeedFinder app enables new mothers to locate suitable breastfeeding locations nearby. Mothers can also rate and review the places they visit and contribute to the worldwide mapping of breastfeeding friendly locations. The app is available on both iOS and Android and has 10,000+ active users. The project has been developed in conjunction with NHS staff and new mothers in the North East of England.

Technologies: PHP (Cakephp / CodeIgniter), MySQL, Java (Android), Swift (iOS)
<http://feed-finder.co.uk>

[Sleepful.me: Sleep social network that delivers Cognitive Behavioural Therapy to those living with Insomnia](#)

Sleepful.me is a social network designed to improve access to evidence-based guided self-help for insomnia. The development of the Sleepful social network was supported by a research grant provided by the UK Engineering and Physical Sciences Research Council (Grant EP/I000615/1). The clinical approach to the management of insomnia symptoms used in Sleepful was trialled in the SomnIA project funded by the New Dynamics of Ageing initiative, a multidisciplinary research programme coordinated by the UK Economic and Social Research Council (Grant RES-339-25-0009).

Technologies: PHP (ZendPHP), MySQL, Java (Android)
<http://sleepful.me>

Honours and Awards

- **Digital Economy Impact Award:** FeedFinder (Engineering and Physical Sciences Research Council, December 2015)
- **North East Museum of the Year:** Collections Dive Discovery Interface (The Journal Culture Awards, April 2016)
- **Rosalind Franklin Appathon Finalist:** FeedFinder (University College London, February 2016)
- **Best Graduate in the Lincoln School of Computing Science** (University of Lincoln, 2010)

Software Development Experience

- Proficient in web and mobile based programming languages (C#, PHP, Java (Android), Python).
- Strong knowledge of web development frameworks (CakePHP, CodeIgnitor, ZendPHP, Social Engine, Laravel) and relational databases (MySQL, MSSQL), working knowledge of MongoDB, Neo4J Graph Database, PostGis.
- Working knowledge of design and composition packages (Adobe Photoshop, Adobe Illustrator)

Professional Memberships and Academic Service

Association for Computing Machinery

Paper Reviewer CHI'13 – CHI'17, OZCHI'15, CSCW17

Workshop organiser of “HCI and Notions of Democracy, Participation and Self-Organisation”, British HCI 2015 in Lincoln, UK on 13th – 17th July 2015

Media Chair TVX2014