

# Chris Norval BSc (Hons), PhD

chris@cnorval.com

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My principal research interests involve using Human-Computer Interaction techniques to understand and document complex human behaviours. I aim to build an established career conducting rigorous and insightful research while also exploring opportunities to gain experience disseminating these techniques and findings through teaching.

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## RESEARCH INTERESTS

Social Networking Sites  
Privacy & Ethics  
Machine Learning in HCI  
Experimental Study Design

## RESEARCH POSITIONS

2016 - 2017: **Postdoctoral Research Fellow, University of St Andrews**

Title: *Towards contextual consent in social media health research*

Supervised by Dr Tristan Henderson

- Tasked with investigating whether it is possible to predict when people would share their social media data with health researchers based on the context of request.
- Designed and conducted an online user study with participants.
- Used machine learning algorithms to build and evaluate binary classification models.
- Actively contributed to the writing of papers and grant proposals.

## INDUSTRY EMPLOYMENT

2014 - 2016: **Data Analyst, Outplay Entertainment**

- Lead analyst for casual games.
- Started the Outplay Machine Learning R&D Project.
- Invited to present research on *Using Hidden Patterns in Data to Create Effective Business Strategies* to the company's board of directors.

## EDUCATION

2010 - 2014: **PhD in Human Computer Interaction, University of Dundee**

Title: *Improving the Inclusivity of Older Adults on Social Networking Sites: Recommendations for Design and Practice*

Supervised by Prof. John Arnott and Prof. Vicki L. Hanson

2006 - 2010: **BSc (Hons) Applied Computing, University of Dundee**

Degree Classification: First Class Honours

Recipient of 4th Year Prize for Applied Computing

## PAPERS

Henderson, T., **Norval, C.** (2017) Personal data shields: using data to use data better. *Data for Policy 2017. Forthcoming.*

**Norval, C.**, Henderson, T (2017). Contextual Consent: Ethical Mining of Social Media for Health Research. In *Proceedings of the 1st Workshop on Mining Online Health Reports (MOHRS) at ACM WSDM 2017. (Best Paper)*

**Norval, C.**, Arnott, J. and Hanson, V. L. (2014). What's on Your Mind? Investigating Recommendations for Inclusive Social Networking and Older Adults. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, ACM CHI 2014.*

**Norval, C.**, Arnott, J. L. and Hanson, V. L. (2013). Older Adults and Social Networking Sites: Developing Recommendations for Inclusive Design. *Digital Economy 2013.*

**Norval, C.**, Arnott, J. L., Hine, N. A. and Hanson, V. L. (2011). Purposeful Social Media as Support Platform: Communication Frameworks for Older Adults Requiring Care. In *Proceedings of the 5th International ICST Conference on Pervasive Computing Technologies for Healthcare.*

## POSTERS

**Norval, C.**, Henderson, T. (2017). Predicting Consent: Investigating Ethical Methods for Mining Social Media Data in Health Research (Poster). In *Proceedings of the 7th International Conference on Digital Health Conference. Forthcoming.*

**Norval, C.**, Arnott, J. L. and Hanson, V. L. (2011). Proposed Improvements by Analysis of Older Adults' use of Social Networking Sites (Poster). *Digital Engagement 2011.*

## EDITORIALS & ARTICLES

**Norval, C.** (2013). Silver surfers forgotten in social media boom (article). *The Conversation, (18 September 2013).*

**Norval, C.**, 2012. Understanding the incentives of older adults' participation on social networking sites. *SIGACCESS Access. Comput.* 102 (January 2012), 25-29.

## OTHER COMMUNICATIONS

**Norval, C.** (2014). Improving the Inclusivity of Older Adults on Social Networking Sites: Recommendations for Design and Practice. *Doctoral Thesis.*

**Norval, C.** (2010). Digital X-Ray Lightbox - An Alternative Software Solution. *BSc Dissertation.*

## **AWARDS & SCHOLARSHIPS**

**Best Paper Award:** (2017) MOHRS workshop at WSDM '17

**Leng Trust Travel Award:** (2014) The Sir John Leng Trust

**TUTOREM Travel Scholarship:** (2012) European Cooperation in Science and Technology

**4th Year Prize:** (2010) Applied Computing, University of Dundee

**Best Team Project:** (2009) Industrial Team Project, University of Dundee

## **STUDENT CO-SUPERVISION**

**Ann Wu:** (2011 - 2012) MSc Student, University of Dundee

**Yimeng Zheng:** (2011 - 2012) MSc Student, University of Dundee

**Gargi Chatterjee:** (2010 - 2011) MSc Student, University of Dundee

## **RESEARCH ENGAGEMENT**

**Program Committee:** (2017) Networked Privacy

**Peer Reviewer:** (2014 - 2017) Including CHI and CSCW

**Professional Member:** (2017) ACM and SIGCHI

**Invited panellist:** (2016) *'Life After the Viva'* - PhD Symposium Keynote. School of Computing, University of Dundee

**Seminar Organiser:** (2013 - 2014) School of Computing, University of Dundee

**Attendee:** (2012) TwinTide Training School for HCI Research Methods

**Attendee:** (2011) ASSETS Doctoral Consortium on Computers and Accessibility

## **PRE-GRADUATE EMPLOYMENT**

2008 - 2009 (Part-Time): **Student Ambassador, University of Dundee**

2006 - 2008 (Academic Holidays): **Ward Clerk, Stirling Royal Infirmary**

## **VOLUNTARY WORK**

2012 - 2013: University of Dundee School of Computing User Centre for Older Adults

2010: Overseas NGO volunteer with the University of Dundee's DARE society (Cambodia)

2009: Overseas NGO volunteer with the University of Dundee's DARE society (Kenya)

2008 - 2009: Committee Treasurer for the University of Dundee's Theatre Society