

# Ulrik Lyngs

## Curriculum vitae

### Personal summary

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I am a computer scientist, cognitive psychologist, and musician. I am passionate about applying insights from the behavioural neurosciences to design digital technology that is sensitive to human limitations and biases, particularly in relation to attention and self-regulation.

📍 Department of Computer Science,  
University of Oxford, Oxford, UK  
✉ [ulrik.lyngs@cs.ox.ac.uk](mailto:ulrik.lyngs@cs.ox.ac.uk)  
🌐 [ulriklyngs.com](http://ulriklyngs.com)  
🐙 [ulyngs](https://github.com/ulyngs)

### Selected Publications

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**Lyngs, U.**, Lukoff, K., Slovak, P., Binns, R., Slack, A., Inzlicht, M., Kleek, M. V., Shadbolt, N. (2019). Self-Control in Cyberspace: Applying Dual Systems Theory to a Review of Digital Self-Control Tools [1](#) Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems 🏆 *Honourable Mention*

Binns, R., **Lyngs, U.**, van Kleek, M., Zhao, J., Shadbolt, N. (2018). Third party tracking in the mobile ecosystem [2](#) Proceedings of the 2018 ACM Web Science Conference 🏆 *Best Paper*

**Lyngs, U.**, Binns, R., van Kleek, M., Shadbolt, N. (2018). So, Tell Me What Users Want, What They Really, Really Want! [3](#) Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems

Binns, R., van Kleek, M., Veale, M., **Lyngs, U.**, Zhao, J., Shadbolt, N. (2018). It's Reducing a Human Being to a Percentage': Perceptions of Justice in Algorithmic Decisions [4](#) Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems

**Lyngs, U.**, McKay, R. (2017). 'It's More Fun With My Phone': A Replication Study of Cell Phone Presence and Task Performance [5](#) Proceedings of the 39th Annual Conference of the Cognitive Science Society

**Lyngs, U.**, Cohen, E., Hattori, W., Newson, M. & Levin, D. (2016). Hearing in Colour: How Expectations Distort Perception of Skin Tone [6](#) Journal of Experimental Psychology: Human Perception and Performance, 42 (12), 2068-2076

### Media coverage

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2018 Our paper 'Third Party Tracking in the Mobile Ecosystem' covered in the Financial Times [7](#), BBC [8](#), The Times [9](#), Business Insider [10](#), and more

### Education

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2016 — DPhil in Computer Science, University of Oxford

2020

2012 — MSc in Cognitive and Evolutionary Anthropology, University of Oxford

2013

2011 — MA in the Study of Religion & Cognitive Psychology, Aarhus University

2016

2007 — BA in the Study of Religion & Psychology, Aarhus University

2011

### Grants and Awards

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2018 Best Paper Award (€500), 10th ACM Conference on Web Science, Amsterdam

2018 Student Research Competition Grant (\$500), ACM CHI'18

2017 DOMUS Prize for Outstanding Research Communication (£500), Linacre College, University of Oxford

2017 Designing for Curiosity Workshop Grant (€400), ACM CHI'17

2017 Student Research Competition Grant (\$500), ACM CHI'17

2013 Lienhard & Bagby Research Grant (£1,000), Institute of Social & Cultural Anthropology, Uni. of Oxford

### Selected talks

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2018 *So, Tell Me What Users Want, What They Really, Really Want!*, AI, Society, and the Media, BBC Radio Theatre, New Broadcasting House, London

2018 *Hacking the Attention Economy*, Hackathon at CodeBase, Edinburgh, organised by the UnBias [11](#) project, University of Oxford

## Selected work experience

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- 2017 — Web developer  
present SOCIAM.org [12](#), Dept. of Computer Science, University of Oxford  
Built the current version of sociam.org (which archives the outputs of a 5.5 year EPSRC research endeavour involving 55+ researchers, 40+ independent projects, and 400+ publications) from scratch in Drupal 7, assisted by two summer interns. Ongoing maintenance, feature development, and content curation.
- 2013 — Festival Producer and Manager  
2016 Institute of Art and Ideas, London  
Generated ideas and wrote programme copy for 250+ panel debates for the internationally renowned philosophy and music festival HowTheLightGetsIn [13](#); interviewed (600+) and booked (150+) world- leading thinkers, including Cory Doctorow, Aubrey de Grey, and Simon Baron-Cohen; led and managed a research team of two full-time and music team of three full-time staff.

## Professional development

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- 2018 Invited participant at the Global Dialogue for Happiness, World Government Summit [14](#), Dubai
- 2017 Leading for Impact [15](#) fellowship, 4-month leadership training programme at Saïd Business School, University of Oxford

## Software development

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- 2019 Dashboard for visualising facebook use [16](#), developed with R, shiny, and **flexdashboard**, deployed on shinyapps.io  
Originally developed for research study on Facebook use among Oxford University students in the autumn of 2018
- 2019 **oxforddown** [17](#), R package for writing an Oxford University thesis with R Markdown
- 2018 **chi-proc-rmd-template** [18](#) and **chi-ea-template** [19](#), R packages for writing ACM CHI submissions with R Markdown

## Technical skills

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- *Programming, data analysis and visualisation* in R (tidyverse), Python, and D3.js
- *Reproducible research with dynamic documents* in R Markdown (bookdown, xaringan, pagedown) + LaTeX
- *Web development* (HTML, CSS, JavaScript, Drupal, Hugo, blogdown, Jekyll + GitHub)

## Personal skills & Volunteering

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- 2017 Computer Science Ambassador  
— Dept. of Computer Science, University of  
present Oxford  
I give talks about my group's and my personal research to 14-18 year old students from UK schools visiting the Computer Science Department
- 2017 Founding Band Member  
— The Karaoke Collective  
present Inventor, MC and drummer in 'The Karaoke Collective' [20](#), an eclectic group of seasoned musician in Oxford and London, which blends the fun of karaoke with the magic of a live band.
- 2018 Main conference organiser and General Chair  
Oxford Computer Science Conference 2018, Department of Computer Science, University of Oxford
- 2017 President, Computer Science  
— Graduate Society (CoGS)  
2018 Dept. of Computer Science, University of Oxford  
Organised and chaired termly CoGS planning meetings, represents the Computer Science Department at termly orienting meetings in the mathematical, physical, engineering and life sciences division (MPLS).
- 2013 Interview Coach  
— Oxbridge Interviews, Oxfizz [21](#)
- 2016 Provided interview training for 30+ teenagers from non-traditional family backgrounds wishing to apply to the universities of Oxford or Cambridge.
- 2012 Executive committee member  
— London Evolutionary Research Network [22](#)
- 2016 Organised regular talks (30+) plus annual conferences (3) on cutting-edge evolutionary research, for early career researchers across universities and departments in southern UK.

## Links

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1. <https://ulriklyngs.com/publications>↵
2. <https://dl.acm.org/citation.cfm?doid=3201064.3201089>↵
3. <https://dl.acm.org/citation.cfm?id=3188397>↵
4. <https://dl.acm.org/citation.cfm?id=3173951>↵
5. <https://mindmodeling.org/cogsci2017/papers/0501/index.html>↵
6. <https://psycnet.apa.org/record/2016-49029-001>↵
7. <https://ig.ft.com/mobile-app-data-trackers/>↵
8. <https://www.bbc.co.uk/news/technology-45952466>↵
9. <https://www.thetimes.co.uk/article/personal-data-harvesting-by-mobile-phone-apps-is-out-of-control-pb2m2kwkj>↵
10. <https://www.businessinsider.com/google-and-facebook-big-data-apps-oxford-study-finds-2018-10?r=UK&IR=T>↵
11. <https://unbias.wp.horizon.ac.uk/>↵
12. <https://sociam.org/>↵
13. <https://howthelightgetsin.org/>↵
14. <https://www.worldgovernmentsummit.org>↵
15. <https://www.sbs.ox.ac.uk/research/skoll-centre-social-entrepreneurship/social-impact-education/leading-impact>↵
16. <https://ulriklyngs.shinyapps.io/fb-dashboard-rose/>↵
17. <https://github.com/ulyngs/oxforddown>↵
18. <https://github.com/ulyngs/chi-proc-rmd-template>↵
19. <https://github.com/ulyngs/chi-ea-rmd-template>↵
20. <https://karaokecollective.com>↵
21. <https://oxfizz.org/>↵
22. <https://londonevolution.org>↵