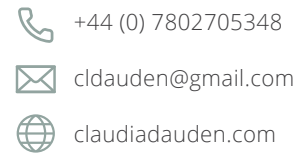


Claudia Daudén Roquet

UX RESEARCHER | DIGITAL WELLBEING



PERSONAL STATEMENT

Always fascinated by the way in which technology can enhance how we experience the world, my work lies in between technology, design and psychology. I love exploring the design of experiences that can make a positive impact in human lives. For the last 5 years I have been working in interdisciplinary and international research environments, both in industry and academia. Currently, I am working as a research associate at Lancaster University (UK) for the H2020 AffecTech consortium, and finishing my PhD on interactive technologies for mental wellbeing.

HIGHLIGHTS

- 5+ years of research experience in Human-Computer Interaction (HCI) and User Experience (UX).
- Research projects include human-centred approaches to explore mental wellbeing practices, and the design of multi-sensory brain-computer interfaces to support self-regulation strategies.
- Broad publication record in premier international conferences and journals such as CHI, DIS and JMIR.
- Teaching experience: lectures in HCI, mentoring and supervision of undergraduate and postgraduate projects.
- Awarded Marie Curie Early Stage Researcher PhD Fellowship for the interdisciplinary AffecTech consortium, partners including: the European Commission, the NHS and international universities (e.g. Oxford) and industry (e.g. Philips).
- Best paper honourable mention award at DIS2020 and CHI2019, BSc thesis and MSc award for research track.
- Reviewer for a wide range of HCI conferences and journals.
- Creative technology projects awarded with a Cannes Lions Innovation Award and Best Launch Webby Award.

PROFESSIONAL EXPERIENCE

- Sept. 2017 - Aug. 2020 ● **Research Associate - Lancaster University (UK)**
 - Setup collaboration with NHS Lancashire to run a user study with a novel mHealth technology.
 - Published papers in top-tier conferences and journals, with 2 best paper awards.
 - Working in Prof. Corina Sas' group on interactive technologies for mental wellbeing.
 - Fully funded award from H2020 AffecTech consortium (www.affectech.org).
- Jan. 2019 - Feb. 2019 ● **Visiting Researcher - UniCatt Milan (Italy)**
 - Exploring biofeedback and mindfulness interventions at the Clinical Psychology department with Prof. Giuseppe Riva's research group.
- Jan. 2017 - Aug. 2017 ● **Creative Technologist - Freelance (Spain)**
 - Managed the product design and prototyping of creative technologies, and presentations to clients.
 - Best Launch Webby Award for 'Stride Mad Intense Gum' project, I designed and developed the UI.
- Oct. 2016 - Aug. 2017 ● **Research Assistant - Universitat Pompeu Fabra (Spain)**
 - Researched alongside clinical psychologists from Hospital Sant Joan de Déu (Barcelona).
 - Worked on a human-centred approach to design a wearable biofeedback object for a full-body interactive game for children with autism, and mixed-methods experiment design.
- Jan. 2016 - July 2016 ● **Creative Technologist Intern - Glassworks Barcelona (Spain)**
 - Worked on conceptualization, design and prototype of interactive technologies for advertisement.
 - Bronze in Innovation at the Cannes Lions Festival for the project 'Untypic'.
- Aug. 2015 - Dec. 2015 ● **Research Assistant - University of Colorado Boulder (USA)**
 - Designed a novel affordable and accessible method to create interactive 3D printed objects.
 - Investigated the use of 3D printing to make toys accessible for children with visual impairments.
- Sept. 2014 - June. 2015 ● **Multimedia Developer - MasQueLearning (Spain)**
 - Worked on the conceptualization, design and development of e-learning courses.

EDUCATION

- Sept. 2017 - Present* ● **PhD in Computer Science, HCI - Lancaster University (UK)**
- Investigating the design of mindfulness-based multi-sensory interactive technologies for mental wellbeing, supervised by Prof. Corina Sas.
 - Fully funded award from European Commission Marie Skłodowska-Curie Actions.
 - Planning to submit PhD thesis by November 2020.
- Oct. 2016 - July 2017 ● **MSc in Cognitive Systems and Interactive Media - Universitat Pompeu Fabra (Spain)**
- Master's thesis: "Investigating the physiological effects of social initiation in a full body interaction virtual environment in children with autism" supervised by Prof. Narcís Parés and Dr. Ciera Crowell.
 - Fully funded award from Catalunya – La Pedrera Masters of Excellence Scholarship.
 - Modules including: Affective Interfaces, Biofeedback, VR, Human Cognition, Digital Wellbeing.
- Sept. 2011 - June 2016 ● **BSc Multimedia Engineering - La Salle Universitat Ramón Llull (Spain)**
- Bachelor thesis (awarded with maximum grade and published at DIS2016) : "3D Folded Printgami: transforming passive 3D printed objects to interactive by inserted paper origami circuits" supervised by Prof. Tom Yeh and Prof. Marc Antonijuan.
 - Awarded a Balsells Mobility Award to be a research assistant at University of Colorado Boulder.
 - Modules including: HCI, UI/UX, Creative Coding, Prototyping, Photography and Video Production.

PUBLICATIONS

In my area, peer-reviewed conference publications are the primary outlet for current research. ACM CHI and ACM DIS are the premier conference venues for HCI research, JMIR is the premier journal for mHealth interdisciplinary research.

- 2020 ● **Daudén Roquet, C., & Sas, C. (2020).** A Mindfulness-Based Brain-Computer Interface Augmenting Mandala Coloring for Depression: Protocol for a Single-Case Experimental Design. JMIR Protocols. (Accepted Manuscript)
- Daudén Roquet, C., & Sas, C. (2020).** Body Matters: Exploration of the Human Body as a Resource for the Design of Technologies for Meditation. In Proceedings of the 2020 ACM on Designing Interactive Systems Conference (pp. 533-546). <https://doi.org/10.1145/3357236.3395499> (Best paper honourable mention award)
- Daudén Roquet, C., & Sas, C. (2020).** A Scoping Review of Interactive Mindfulness Technologies for Mental Wellbeing: Considerations from HCI and Psychology. In 25th annual international CyberPsychology, CyberTherapy & Social Networking.
- Qu, C., Sas, C., **Daudén Roquet, C.**, & Doherty, G. (2020). Functionality of top-rated mobile apps for depression: Systematic search and evaluation. JMIR mental health, 7(1), e15321. <https://doi.org/10.2196/15321>
- 2019 ● Sanches, P., Janson, A., Karpashevich, P., Nadal, C., Qu, C., **Daudén Roquet, C.**, Umair, M., Windlin, C., Doherty, G., Höök, K., & Sas, C. (2019). HCI and Affective Health: Taking stock of a decade of studies and charting future research directions. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (pp. 1-17). <https://doi.org/10.1145/3290605.3300475> (Best paper honourable mention award)
- Daudén Roquet, C.** & Sas, C. (2019). Digital Wellbeing: Evaluating Mandala Coloring Apps. In 2019 CHI Conference on Human Factors in Computing Systems. Workshop in Designing Digital Wellbeing.
- 2018 ● **Daudén Roquet, C.** & Sas, C. (2018). Evaluating mindfulness meditation apps. In Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems (pp. 1-6). <https://doi.org/10.1145/3170427.3188616>
- 2016 ● **Daudén Roquet, C.**, Kim, J., & Yeh, T. (2016). 3D Folded PrintGami: transforming passive 3D printed objects to interactive by inserted paper origami circuits. In Proceedings of the 2016 ACM Conference on Designing Interactive Systems. <https://doi.org/10.1145/2901790.2901891>

TEACHING EXPERIENCE

- Sept. 2020 - Present ● **Teaching Assistant - Lancaster University (UK)**
- Responsible for supervision of undergraduate lab sessions, creating tutorial material, independently running seminars, and marking of coursework.
 - Setting up effective communication infrastructure to run the online workshops with 250+ students.
 - Courses taught: SCC.202: Human-Computer Interaction.
- Sept. 2010 - Present ● **Tutor**
- Tutor volunteer at Caritas NGO (Spain) to support children and adolescents at risk of social exclusion in my hometown.
 - Private tutor for High School and University students, in Spain and the UK, for subjects including STEAM and Spanish face-to-face and online.
- Jan. 2018 - Sept. 2020 ● **Co-supervision - Lancaster University (UK)**
- Miranda Girling, *Design and implementation of tangibles with subtle haptic feedback for meditation*, EPSRC intern student.
 - Lauren Whitham, *Co-designing subtle haptic feedback for meditation*, Bachelor's dissertation.
 - Lukas Mizgiris, *Design and implementation of thermal feedback for meditation*, Bachelor's dissertation.
 - Dominic Potts, *Design and development of a brain-computer interface mapping mindfulness states onto colors for mandala coloring*, UGRA intern student.
 - Li Ang, *Exploring interactive tangible artefacts for mindfulness training*, MSc in Computer Science dissertation.
- Aug. 2015 - Dec. 2015 ● **Teaching Assistant - University of Colorado Boulder (USA)**
- In-lab sessions working with Primary School children teaching them how to program and 3D print.
 - Teaching assistant at Girls Who Code Boulder.

OUTREACH

Workshop and Public Engagement Events

All workshops involved developing material from scratch, and I was an organizer and facilitator.

- 2019 ● "STEM Challenge Day" with Secondary School students at Lancaster University (UK).
- 2019 ● "Showcasing latest research outcomes and prototypes" with general public and healthcare professionals in Lancaster (UK).
- 2019 ● "Exploration of tangible artefacts and slowstorm their applications to enhance wellbeing" with AffecTech at UniCatt (Italy).
- 2018 ● "Future collaborations and public engagement opportunities" at meetings with NHS Lancashire (UK).

Invited Talks

- 2019 ● Symposium on *Meditation and Emotional Health*, at Inner Space, Cambridge (UK).
- 2019 ● H2020 event on *Advanced topics on emotion regulation and VR technologies in biofeedback*, at UniCatt, Milan (Italy).
- 2018 ● H2020 event on *Wearable sensors, engaging with private sector and the public*, at Bogazici Universitesi, Istanbul (Turkey).
- 2018 ● H2020 event on *Principles of interaction design for affective health and commercialising research*, at KTH, Stockholm (Sweden).
- 2018 ● H2020 event on *Psychology of emotion and emotion regulation*, at Universitat Jaume I, Castelló de la Plana (Spain).
- 2018 ● H2020 event on *Fundamentals of biosignal analysis and entrepreneurship*, at Plux Wireless Biosignals, Lisbon (Portugal).