



CONTACT



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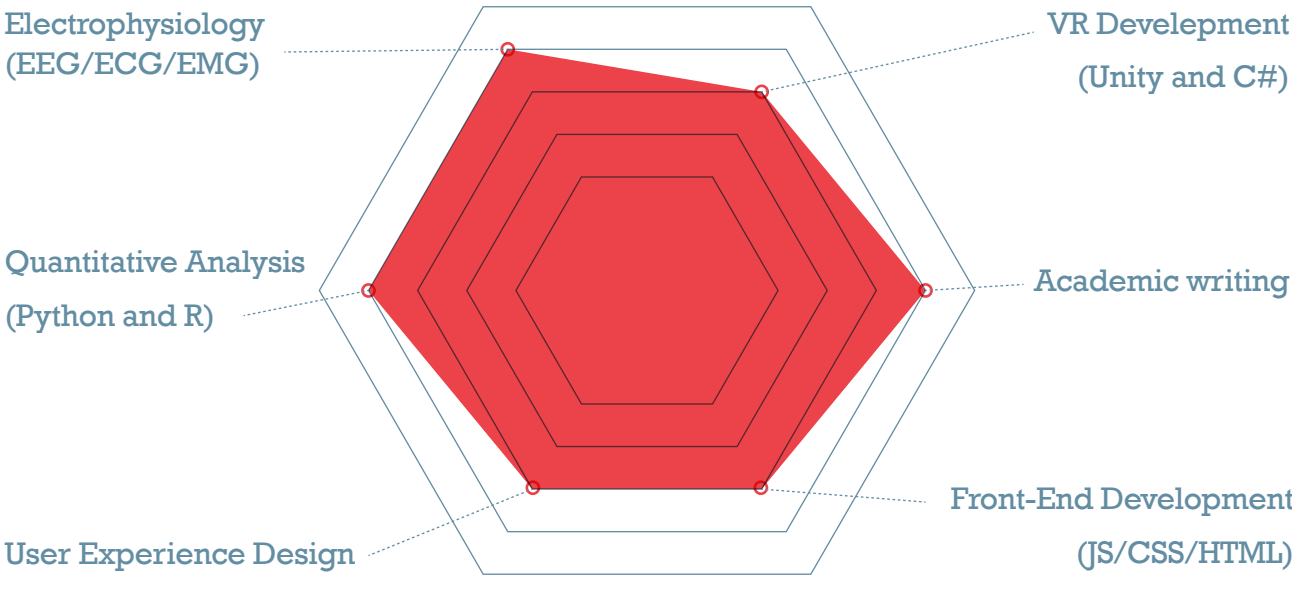
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ABOUT ME

My research explores the role of emotions in User Experience (UX) for emergent technologies, including Virtual Reality (VR), Brain-Computer Interfaces (BCI), and Web3, with applications in mental healthcare and civic technologies. I have experience working as a Lecturer in Design at the University of Sydney and University of New South Wales (UNSW). My teaching is focused on design for emergent technologies, with a strong focus on VR and BCI.

I earned a PhD from the Technical University Berlin and the University of Technology Sydney (joint program), where I conducted research at the intersection between emotions, neurotechnology and VR. Prior to that, I completed a master's by research in Psychology at the National University of Colombia and a bachelor's in Graphics Design at the University of Palermo (Argentina).

SKILLS



KNOWLEDGE & EXPERIENCE

● Education ● Work

- 2023**
- Associate Lecturer - Education Focused (01/2023 - 12/2023)
University of Sydney, Australia.

Courses:
 - Designing for Virtual Reality
 - Designing for Emergent Technologies
 - IDEA Laboratory 1 (Interactive Art Installations)
Programs:
 - Bachelor's in Design Computing
 - Master's in Interaction Design
 - Project initiator (2023 - Present)
Testigos.co

I initiated a project that aims to use Decentralised Ledger Technologies (DLTs) for election auditing, based on reports sent by election observers.
- 2022**
- University Tutor (05/2021 - 12/2022)
University of New South Wales, Sydney, Australia.

Courses: Interaction Design 1 and 2 (Bachelor)
 - University Lecturer (04/2022 - 12/2022)
King's Own Institute (KOI), Sydney, Australia.

Course: Human-Computer Interaction (Bachelor)
 - Research Assistant / Scholarship PhD Student (2019 - 2022)
Technische Universität Berlin & University of Technology Sydney (Joint Docotoral Program).

PhD Thesis:
"Affective visualization in Virtual Reality Systems".

Advisors:
Prof. Dr. -Ing. Sebastian Möller
Prof. Dr. -Ing. Jan-Niklas Voigt-Antons
Dr. Jaime Garcia
Dr. William Raffe
- 2021**
- Course supervisor (2021)
Technische Universität Berlin, Berlin, Germany.

Course: Interdisciplinary Media Project (Bachelor and Master)
- 2018**
- Front-End Developer and UI Designer (2012 - 2018)
Freelancer for companies in Latin America, USA and Europe.
- 2017**
- Master's Degree in Psychology (2015 - 2017)
National University of Colombia

Emphasis: Research in implicit cognition
Research Topic: Emotional Contagion
Master's Thesis: "Contagio Emocional: Incidencia de los estados emocionales sobre la evaluación de expresiones faciales ("Emotional Contagion: Incidences of emotional estates on the evaluation of facial expressions")
Advisor: Prof. Dr. Ricardo M. Tamayo
 - Senior Graphics Designer (07/2017 - 12/2017)
National University of Colombia

Design the Tobacco Health Warnings for the period 2018 - 2019 that were used in all the cigarette boxes distributed in Colombia.
- 2013**
- Bachelor's Degree in Advertising Art Direction (2010 - 2013)
Universidad de Palermo

Bachelor's Thesis: "La contra-revolución digital: la publicidad como mecanismo de control social en la era de las TICs" (Digital Counter-Revolution: Advertising as social control mechanism in the information and Communication).

MANUSCRIPTS

- Pinilla, A., Garcia, J., Raffe, W., Voigt-Antons, J.N., Möller S. (2024). Can you see an emotion? Emotion visualisation of contextless visual stimuli in Virtual Reality. **In review.**
- Pinilla, A., Voigt-Antons, J.N., Garcia, J., Raffe, W., Möller S. (2023). Real-time affect detection in virtual reality: a technique based on a three-dimensional model of affect and EEG signals. **Frontiers in Virtual Reality**, vol. 3, p. 964754, doi: 10.3389/frvir.2022.964754.
- Pinilla, A., Garcia, J., Raffe, W., Voigt-Antons, J.N., Spang, R., Möller, S. (2021). Affective Visualization in Virtual Reality: An Integrative Review. **Frontiers in Virtual Reality**, vol. 2, p. 630731, 2021, doi: 10.3389/frvir.2021.630731.
- Pinilla, A., Neira, J., Tamayo R. M. (2020). How do Induced Affective States Bias Emotional Contagion to Faces? A three-dimensional model. **Frontiers in Psychology**.
- Voigt-Antons, J., Lehtonen, E., Pinilla A., Ali, D., Kojic, T., Möller S. (2020). Comparing Emotional States Induced by 360° Videos Via Head-Mounted Display and Computer Screen. **QoMex 2020**.
- Perkins et al (2020). QUALINET White Paper on Definitions of Immersive Media Experience (IMEx).
- Tamayo et al (2017). Construcción y Evaluación de Advertencias Sanitarias Sobre el Consumo de Tabaco en Colombia Basadas en Evidencia Científica (Construction and Evaluation of Sanitary Warnings About Tobacco Consumption Based On Scientific Evidence). **Technical Report. National University of Colombia.**

FUNDING & AWARDS

- Building capacity for Extended Reality and Brain-Computer Interfaces Lab. AUD \$180.000. University of Sydney CAPEX funding scheme (2023).
- HackYourDistrict. Workshop on inclusive and sustainable cities. Sponsored by DAAD, Technical University of Berlin and National University of Taiwan (2023).
- Post-Thesis award. Faculty of Engineering & Information Technology Post-Thesis Scholarship. University of Technology Sydney (2021).
- Phd Scholarship. Examining the quality of systems using various virtual reality (VR) and augmented reality (AR) technologies including the creation of VR/AR applications and their empirical evaluation in user studies. **Technische Universität Berlin** (2019).
- Phd Scholarship. Collaborative Research Degree Program Scholarship. **University of Technology Sydney** (2020).
- Terrorismo Gráfico - Tu Tema Personal. Graphics Design prize sponsored by Telecom Argentina (2014).

ACADEMIC SERVICE

- Reviewer. Feng, H., Zeng, Y., & Lu, E. (2022). Brain-Inspired Affective Empathy Computational Model and Its Application on Altruistic Rescue Task. **Frontiers in Computational Neuroscience**, 16.
- Reviewer. Siento que es una mentira: Origen intuitivo de los juicios de credibilidad sobre las noticias. (I feel it is a lie: Intuitive origin of judgement about news credibility). Master's Thesis. **National University of Colombia** (2022).
- Advisor. Presentation system's effect on presence and emotional state. Comparing head-mounted display to computer screen, while watching 360 degree videos. **Master's Thesis. Aalto University, Finland** (2021).

LANGUAGES

English (Advanced) ● Spanish (Native) ● Russian (Beginner)