

Juan Fernando Maestre Avila, PhD
Lecturer (Assistant Professor) in Human-Computer Interaction
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Computational Foundry – Bay Campus – Swansea University
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EDUCATION

- 2015 - 2021 **Ph.D. in Informatics**
Human-Computer Interaction Design and Health Informatics
Luddy School of Informatics, Computing, and Engineering
Indiana University (Bloomington, IN, USA)
- 2013 - 2014 **Master of Science in Informatics**
Human-Computer Interaction
Department of Computer Science
University of Iowa (Iowa City, IA, USA)
- 1998 - 2003 **Bachelor of Science in Computer Science**
Pontifical Catholic University (Quito, Ecuador)

AWARDS & RECOGNITIONS

- 2022 President's Postdoctoral Fellowship Recipient
Department of Computer Science and Engineering
University of Minnesota (Minneapolis, MN, USA)
- 2021 Luddy Research Award
Luddy School of Informatics, Computing and Engineering
Indiana University (Bloomington, IN, USA)
- 2020 Mentor of the Year Award, The iSchool Inclusion Institute (i3 Program)
School of Computing and Information
University of Pittsburgh (Pittsburgh, PA, USA)
- 2020 Honorable Mention Award for the paper "Evaluating 'Prefer not to say' Around Sensitive Disclosures"
2020 CHI Conference on Human Factors in Computing Systems
- 2018 - 2019 Student Excellence, Leadership Development, and Dedication to Community Service Award
Department of Diversity, Equity & Multicultural Affairs
Indiana University (Bloomington, IN, USA)
- 2016, 2017, 2018 Richard Tapia Scholarship
The Richard Tapia Celebration of Diversity in Computing Conference
National Science Foundation (USA)

- 2013 Full Tuition Scholarship, Graduate College
University of Iowa (Iowa City, IA, USA)
- 2012 Fulbright Scholarship, Fulbright Commission
Fulbright Commission Ecuador (Quito, Ecuador)

RESEARCH

My research investigates the use of HCI research methods with marginalized and vulnerable populations to design technologies *with them* rather than for them. I rely on surveys, interviews, ethnographic, and participatory design methods in both in-person and online settings. Ultimately, I strive to involve multiple stakeholders in the design and development of more ethical, inclusive, and equitable technology throughout all the stages of the design process.

- 2023 - Present **Lecturer in Human-Computer Interaction**
Department of Computer Science
Swansea University (Swansea, UK)
- 2022 - 2023 **Postdoctoral Research Associate**, GroupLens Lab
Department of Computer Science and Engineering
University of Minnesota (Minneapolis, MN, USA)
- 2016 - 2021 **HCI/UX Researcher**, SoCo Lab, ProHealth Lab
Luddy School of Informatics, Computing, and Engineering
Indiana University (Bloomington, IN, USA)
- 2018 - 2021 **Fellow Researcher**, Center for Computer-Mediated Communication
Indiana University (Bloomington, IN, USA)

TEACHING

- 2023 – Present **Lecturer**, Department of Computer Science, Swansea University (Swansea, UK)
Data Visualisation
- 2019 - 2021 **Instructor of Record**, Luddy School of Informatics, Computing, and Engineering
Indiana University (Bloomington, IN, USA)
Introduction to Human-Computer Interaction Design, Multimedia, Arts, and
Technology (Fall 2019, Spring 2021)
- 2015 - 2019 **Associate Instructor**, Luddy School of Informatics, Computing, and Engineering
Indiana University (Bloomington, IN, USA)
Thesis/Capstone Projects Human-computer Interaction (Spring 2017, 2018,
2019)
User Experience Design (Fall 2018)
Interaction Design Practice (Fall 2015, 2016, 2017)
Human-computer Interaction Design (Spring 2016, Summer 2019)

- 2014 - 2015 **Teaching Assistant**, Department of Computer Science
University of Iowa (Iowa City, IA, USA)
Topics in Computer Science: Web Programming (Fall 2014, Spring 2015)
- 2006 - 2012 **Instructor of Record**, Center of Multimedia Studies - School of
Communication
Salesian University (Quito, Ecuador)
Multimedia (web design, user experience and interaction design, programming
for interaction)
- 2005 - 2011 **Instructor of Record**, School of Multimedia and School of Graphic Design
Metropolitan Institute of Design (Quito, Ecuador)
Multimedia (web design, user experience and interaction design, programming
for interaction)

SELECTED PUBLICATIONS

Peer-Reviewed Conference and Journal Publications (archival)

"It's like With the Pregnancy Tests": Co-design of Speculative Technology for Public HIV-related Stigma and its Implications for Social Media. 2023. **Juan F. Maestre**, Dara V. Groves, Megan Furness, and Patrick C. Shih. *In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (CHI '23)*. Association for Computing Machinery, New York, NY, USA, Article 337, 1–21.
<https://doi.org/10.1145/3544548.3581033>

Trust, Reciprocity, and the Role of Timebanks as Intermediaries: Design Implications for Addressing Healthcare Transportation Barriers. 2022. Tawanna R Dillahunt, **Juan F. Maestre**, Vaishnav Kameswaran, Erica Poon, John Osorio Torres, Mia Gallardo, Samantha E. Rasmussen, Patrick C. Shih, Alice Bagley, Samuel L. A. Young, and Tiffany C. Veinot. *In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22)*. Association for Computing Machinery, New York, NY, USA, Article 521, 1–22. <https://doi.org/10.1145/3491102.3502494>
(acceptance rate: 24%)

Examining Mobility Among People Living with HIV in Rural Areas. 2021. **Juan F. Maestre**, Tawanna Dillahunt, Alec Andrew Theisz, Megan Furness, Vaishnav Kameswaran, Tiffany Veinot, and Patrick C. Shih. *In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)*. Association for Computing Machinery, New York, NY, USA, Article 201, 1–17.
<https://doi.org/10.1145/3411764.3445086> (acceptance rate: 26%)

Not Another Medication Adherence App: Critical Reflections on Addressing Public HIV-related Stigma Through Design. 2021. **Juan F. Maestre**, Patrycja Zdziarska, Aehong Min, Anna N. Baglione, Chia-Fang Chung, and Patrick C. Shih. *In Proc. ACM Hum-Comput. Interact.* 4, CSCW3, Article 262 (December 2020), 28 pages. <https://doi.org/10.1145/3434171> (acceptance rate: 25.5%)

Defining Through Expansion: Conducting Asynchronous Remote Communities (ARC) Research with Stigmatized Groups. 2018. **Juan F. Maestre**, Haley MacLeod, Ciabhan L. Connelly, Julia C. Dunbar, Jordan Beck, Katie A. Siek, and Patrick C. Shih. *In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*. Association for Computing Machinery, New York, NY, USA, Paper 557, 1–13. <https://doi.org/10.1145/3173574.3174131> (acceptance rate: 25.7%)

Signal Appropriation of Explicit HIV Status Disclosure Fields in Sex-Social Apps used by Gay and Bisexual Men. 2019. Mark Warner, **Juan F. Maestre**, Jo Gibbs, Chia-Fang Chung, and Ann Blandford. 2019. *In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)*. Association for Computing Machinery, New York, NY, USA, Paper 692, 1–15. <https://doi.org/10.1145/3290605.3300922> (acceptance rate: 23.8%)

Evaluating 'Prefer not to say' Around Sensitive Disclosures. 2020. Mark Warner, Agnieszka Kitkowska, Jo Gibbs, **Juan F. Maestre**, and Ann Blandford. *In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)*. Association for Computing Machinery, New York, NY, USA, 1–13. <https://doi.org/10.1145/3313831.3376150> (acceptance rate: 24%)

Short Conference Publications (Refereed, in Proceedings as Extended Abstracts)

Decolonial Pathways: Our Manifesto for a Decolonizing Agenda in HCI Research and Design. 2021. Adriana Alvarado Garcia, **Juan F. Maestre**, Manuhua Barcham, Marilyn Iriarte, Marisol Wong-Villacres, Oscar A Lemus, Palak Dudani, Pedro Reynolds-Cuéllar, Ruotong Wang, and Teresa Cerratto Pargman. *In Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems (CHI EA '21)*. Association for Computing Machinery, New York, NY, USA, Article 10, 1–9. <https://doi.org/10.1145/3411763.3450365>

Citational Practices: Interrogating Hegemonic Knowledge Structures in Computing Research in Latin America. 2021. Citational Justice Collective, Debora de Castro Leal, Gabriela Molina Leon, **Juan F. Maestre**, Kristin Williams, Marisol Wong-Villacres, Pedro Reynolds-Cuéllar, Sushil K. Oswal, Teresa Cerratto Pargman, and Vishal Sharma. *In Proceedings of the X Latin American Conference on Human Computer Interaction (CLIHC '21)*. Association for Computing Machinery, New York, NY, USA, Article 19, 1–6. <https://doi.org/10.1145/3488392.3488411>

Conducting HCI Research with People Living with HIV Remotely: Lessons Learned and Best Practices. 2020. **Juan F. Maestre**, K. Cassie Kresnye, Julia C. Dunbar, Ciabhan L. Connelly, Katie A. Siek, and Patrick C. Shih. *In Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI EA '20)*. Association for Computing Machinery, New York, NY, USA, 1–8. <https://doi.org/10.1145/3334480.3375202> (acceptance rate: 24%)

Conducting HCI Research on Stigma. 2020. **Juan F. Maestre**. *In Companion Publication of the 2020 Conference on Computer Supported Cooperative Work and Social Computing (CSCW '20 Companion)*. Association for Computing Machinery, New York, NY, USA, 129–134. <https://doi.org/10.1145/3406865.3418364>

Lessons Learned from Research via Private Social Media Groups. 2019. K. Cassie Kresnye, **Juan F. Maestre**, Ben Jelen, Mona Y. Alqassim, Maria K. Wolters, and Katie A. Siek. *In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)*. Association for Computing Machinery, New York, NY, USA, Paper CS04, 1–8. <https://doi.org/10.1145/3290607.3299055> (acceptance rate: 27%)

Conducting Research with Stigmatized Populations: Practices, Challenges, and Lessons Learned. 2018. **Juan F. Maestre**, Elizabeth V. Eikey, Mark Warner, Svetlana Yarosh, Jessica Pater, Maia Jacobs, Gabriela Marcu, and Patrick C. Shih. *In Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '18 Companion)*. Association for Computing Machinery, New York, NY, USA, 385–392. <https://doi.org/10.1145/3272973.3273003> (acceptance rate: 27%)

Strategies for Inclusion in the Design of Pervasive Computing for Health and Wellbeing. 2019. G. Marcu, K. Caro, **Juan F. Maestre**, K. H. Connelly, R. Brewer and C. N. Harrington, in IEEE Pervasive Computing, vol. 18, no. 1, pp. 89-93, Jan.-March 2019. <https://doi.org/10.1109/MPRV.2019.2898485>

Selected Talks & Panels

“Participatory Design as a Method for More Ethical Computer Science”. (2022, 2023). Computer Science and Engineering Colloquia. Department of Computer Science and Engineering, University of Minnesota (Twin Cities and Duluth campus).

“Research on Stigma and Sensitive Topics” (2022) CSCW’22 Workshop on Information-Seeking, Finding Identity: Exploring the Role of Online Health Information in Illness Experience.

“Living with HIV in Rural Areas: Addressing Healthcare Transportation Barriers through Technology” (2022). Rural Computing Research Consortium, Michigan State University.

“Conducting HCI research on Stigma” (2020). Department of Computer Science, University of Texas Rio Grande.

“Designing Technology for Social Impact” (2018). Summer School Program, Cornell University.

“Use of ARC methodology in HCI research” (2017). Department of Computer Science, University of Texas Rio Grande.

SERVICE

Mentoring & Advising

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| 2023 - Present | Undergraduate and Graduate Thesis and Research Project Supervisor
Department of Computer Science
Swansea University (Swansea, UK) |
| 2022 - 2023 | Research Mentor , Undergraduate Research Opportunities in Computing (REU)
Department of Computer Science
University of Minnesota (Twin Cities, MN, USA) |
| 2019 - 2022 | Research Advisor , The iSchool Inclusion Institute (i3 Program)
School of Computing and Information
University of Pittsburgh (Pittsburgh, PA, USA) |
| 2016 - 2017 | Research Mentor , Undergraduate Research Opportunities in Computing (REU)
Luddy School of Informatics, Computing and Engineering
Indiana University (Bloomington, IN, USA) |
| 2013 - 2015 | Academic Mentor , Critical MASS
University of Iowa (Iowa City, IA, USA) |

Conference Program Committees

2024	Conference on Designing Interactive Systems (DIS'24) Full papers track (Associate Chair)
2023	Journal of Computer-Supported Cooperative Work Full papers track (Associate Chair).
2022	European Conference on Computer-Supported Cooperative Work (ECSCW 2022). Exploratory papers track (Associate Chair).
2020 - 2021	Conference on Human Factor in Computing Systems (CHI 2020, 2021). Papers track (Subcommittee Chairs Assistant).
2019	Conference on Designing Interactive Systems (DIS 2019). Provocations/Work-in- Progress (Associate Chair).

Reviewer

Conference on Human-factors in Computing Systems (CHI, 2016-2023), Conference/Journal on Computer-Supported Cooperative Work (CSCW, 2019-2024), Conference on Designing Interactive Systems (DIS 2019, DIS 2023, DIS 2024), Nordic Conference on Human-Computer Interaction (NordiCHI 2018), Journal on Transactions on Computer-Human Interaction (TOCHI 2019-2021), American Medical Informatics Association (AMIA 2020).

Academic and Community Service

2023 - Present	Academic Integrity Officer Department of Computer Science Swansea University, UK
2020 - 2021	Luddy Task Force, Graduate Student Representative Luddy School of Informatics, Computing, and Engineering Indiana University (Bloomington, IN, USA) Description: Involved in assessing and designing a plan of action to attract, retain, and evaluate underrepresented groups in Informatics, Engineering, and Computer Science.
2019 - 2020	Luddy Ambassador Program, Co-founder Luddy School of Informatics, Computing, and Engineering Indiana University (Bloomington, IN, USA) Description: Creation of a graduate student group that facilitated processes of recruitment as well as organization and deployment of on-board activities for potential and in-coming graduate students.
2017 - 2021	Positive Link, Volunteer Indiana University Health (Bloomington, IN, USA) Description: Involved in the organization of community out-reach educational and awareness events on sexual education.

- 2017 - 2019 Promoting Inclusion in Technology (PIT Crew). Diversity and Inclusion Leader
Luddy School of Informatics, Computing, and Engineering
Indiana University (Bloomington, IN, USA)
Description: Involved in the leadership of a group of graduate and undergraduate students in workshop and awareness campaigns geared towards making learning spaces and curriculums more inclusive for underrepresented groups and minorities.
- 2017 - 2018 Graduate & Professional Student Government (GPSG), Diversity Council member
Indiana University (Bloomington, IN, USA)
Description: Graduate student representative of the School at university level.
- 2016 - 2017 Graduate Informatics Students Association (GISA), social chair
Luddy School of Informatics, Computing, and Engineering
Indiana University (Bloomington, IN, USA)
Description: Leadership in organizing graduate student events.
- 2016 Conference on Human Factor in Computing Systems (CHI 2016), student volunteer
Description: Assistance in conference logistics and technology.
- 2014 - 2015 Vice President, Graduate Informatics Society (GISo)
University of Iowa (Iowa City, IA, USA)
Description: Leadership in organizing academic and social events and representation of graduate students in the Informatics program at university level.