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Shorbio

Script file ./cv.markdown.lua not found

Education

UCL, UK

Postdoc at EEE Dep. *Personalized 360-video streaming* 2021–today
Supervisor: Laura Toni

PUC-Rio, BR

Postdoc at Informatics Dep. *Immersive MultiSensorial 360-video* 2017–2019
Supervisors: Simone Barbosa and Sergio Colcher

PhD. in Informatics. *Multimodal-Multiuser Interactions in Video/TV* 2013–2017
Supervisors: Simone Barbosa and Luiz Soares (*in memoriam*)

Impact: Considered to be part of SBTVD standards

UFPB, BR

MSc. in Informatics. *Multidevice Applications on TV* 2010–2012

Supervisor: Guido L.S. Filho

Impact: used in the awarded Brasil4D WorkBank project

BSc. in Computer Science 2005–2009

Research

Experiences

UCL, LASP Lab

Full-time Postdoc 2021–2022

- SpheryStream (Funded by EPSRC): Improve 360-video streaming with profile-based methods

PUC-Rio, TeleMidia Lab

Full-time Postdoc 2018–2020

- VideoMR (Funded by RNP and Microsoft): detect inappropriate content in video scenes
- Anti-Money Laundry (Funded by BTG Bank): Classify suspicious transactions
- Ginga-NCL TV standard evolution (Funded by PUC-Rio Software Licenses income)
- GT-RAP (Funded by RNP): blockchain-based authentication of academic certificates

PhD. Student Part-time Research Engineer 2013–2017

- PUC-Rio Ginga (Funded by PUC-Rio Software Licenses): maintenance of Ginga standard reference implementation

UFPB, Lavid Lab

Msc. Full-time Research Engineer 2012–2013

- Brasil4D (Funded by World Bank): design a transmission of social impact TV content to low-income families. Its results were published at a [public report](#)

MSc. Student Part-time Research Engineer 2009–2012

- GingaAppStore (Funded by RNP): design broadband system to deliver TV applications
- Art TVDI (Funded by RNP): design agile methods for TV applications development
- Ginga CDN (Funded by RNP): develop reusable TV middleware components.

Funding

Approved as PI in *VideoMR* project (Funded by RNP and Microsoft) 2019

Committees

ACM	2020-today
<ul style="list-style-type: none">- Membership: SIGMM(2020-today) and SIGHCI(2022)- MM conference (main in the field): reviewer (2022) and area chair (2022)- MMSys conference: MMVE review (2021, 2022) and demo chair (2022)- IMX conference: reviewer (2022) and area chair (2022)	
Brazilian Computing Society (SBC)	2017-today
<ul style="list-style-type: none">- Membership (2017-today), Student Representative (2015-2016)- WebMedia conference: Steering Committee (2019-today), reviewer (2013-today), chair of Undergrad workshop (2018), chair of Demos Workshop (2019-today), and chair of Social Impact Workshop (2018-today)	
Springer	2022-today
<ul style="list-style-type: none">- Journal of Multimedia Tools and Applications: reviewer (2022)- Iberoamerican Conference on TV Applications and Usability: reviewer (2021, 2022)	
IEEE	2019-today
<ul style="list-style-type: none">- SIGSSP Associate- IEEE Multimedia conference: SeMP workshop reviewer (2019)	

Awards

ACM Travel Awards	2017-2022
<ul style="list-style-type: none">- SIGMM Travel Award for MMSys (2022)- SIGWeb Travel Award for DocEng (2017, 2019)- SIGHI Gary Marsden Travel Award for IMX (2022)	
Brasil 4D	2013-2014
<ul style="list-style-type: none">- SET Conference Award for Best TV interactivity solution- TV Award Honorable mention in Innovation and Creativity- FRIDA Award for innovative TV technological solutions	
GingaStore	2012
<ul style="list-style-type: none">- ITU IPTV Application Challenge Honorable mention in User-friendliness	

Publications

Google Scholar shows >50 published papers, >100 citations, h-index 6. See below recent and some selected publications.

ACM Multimedia Systems	2022
Elsevier Book Chapter	2022
Springer Journal on Multimedia Tools and Applications	2016, 2020
IEEE Symposium on Multimedia (ISM)	2020
SBC WebMedia	2020, 2020, 2020, 2021, 2021, 2021
ACM Symposium on Document Engineering	2019
IEEE Multimedia Signal Processing	2019

Training

UCL Data Protection for Researchers	2022
Nature Interpreting Scientific Results	2022
Nature Focus on Peer Review	2022
UCL Fundamentals in Research Funding	2021

Industry

Experiences

Brazilian TV Forum (SBTVD)	
Contributor to standard TV Industry Conformance Test Suite	2013-2020
Dynavideo, Division for TV products	
BSc. Student Part-Time Software Developer	2007-2008

- development of TV receivers software

Committees

<i>Brazilian TV Forum (SBTVD)</i>	2015-today
- Academic collaborator at Tecnical Module for TV middleware standards	
<i>Brazilian Broadcast Society (SET)</i>	2020
- SET IJBE reviewer (2020)	

Standards

<i>ITU Recommendation H.761: Nested context language (NCL) and Ginga-NCL</i>	2015
<i>SBTVD 15606-2: Nested context language (NCL) and Ginga-NCL</i>	2019
<i>International Telecommunication Union (ITU)</i>	2017-today
- Brazilian collaborator at SG-16/Q13 for IPTV standards	

Teaching

Experiences

PUC-Rio	
<i>Assistant on Multimedia and Machine Learning to postgrad students (>20)</i>	2019
<i>Assistant on TV development (Ginga Brasil, Funded by RNP) to undergrad students (>30)</i>	2013
Japan International Cooperation Agency	
<i>Lecturer (and course design) on TV development to South America countries professionals(>20)</i>	2012
RNP ESR	
<i>Assistant on Linux Administration to IT professionals (>20)</i>	2011
UFPB	
<i>Lecturer (and course design) on Programming Introduction (C language) to undergrad students(>30)</i>	2010
<i>Assistant on Analysis and design of Algorithms to undergrad students (>30)</i>	2008

Public Engagement

<i>Chair of SBC WebMedia award to students researching on Social Impact</i>	2018-today
<i>Brasil 4D project to TV as social impact</i>	2013-2014

Training

<i>UCL Public Engagement workshop</i>	2021
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Other skills

Technical (see [Github page](#))

- Opensource maintenance
- Programing: Python, TensorFlow, C++, Lua, C#, Java
- Video: DASH,MPEG2-TS, Gstreamer, FFmpeg
- Frontend: HTML/JS, Flutter, Android, Qt, Unity
- Backend: Nodejs, Flask, AWS, Docker
- Others: Latex, GitHub/Git, scripting/building tools (bash, Autools, CMake, meson), Scrum, Kanban

Social

- Languages: Portuguese (mother tongue), English (advanced, SELT certification), and Spanish (average)
- Positive, make-it-happen, team-work, lead-by-example attitude
- Good/empathic communication and ability to collaborate with international teams

Visa status

- Nationality: Brazilian
- UK visa for working valid until 12/2024 (permanent-employed partner)

References

- Laura Toni <l.toni@ucl.ac.uk>: Postdoc. advisor at UCL.
- Simone DJ Barbosa <simone@inf.puc-rio.br>: Ph.D. and PostDoc advisor ad PUC-Rio.
- Marcelo Moreno <moreno@ice.ufjf.br>: ITU SG-16/Q13 and SBTVD collaborator.
- Roberto Azevedo <roberto.azevedo@disneyresearch.com>: TeleMidia collaborator.