

# Academic and Professional Curriculum

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## Main Skills and Tools

### App Development

Unity 3D | C# | AR SDKs (Vuforia, AR Core)

### Web Development

HTML5 | JavaScript | Hugo

### 3D Production

Maya | Blender | 3D Studio Max

### Design and Digital Art

Photoshop | Illustrator

### Video editing

After Effects | Premiere | DaVinci Resolve

### Animation 2D

Animator | Spriter2D

## Academic Experience

### Current Occupations:

Researcher in Augmented Reality at INESC TEC, Porto | Since January 2019

Researcher in Augmented Reality at Computer Science and Communication  
Research Centre (CIIC) | Since April 2018  
School of Technology and Management, Polytechnic of Leiria

Invited Lecturer | Since September 2014

Subjects: Computer Graphics, Interaction, Video Editing, Web, Graphic Design, Digital Animation.  
School of Technology and Management, Polytechnic of Leiria

### Previous Occupations:

#### March 2011 – July 2012

Invited Lecturer

Subjects: Graphic Design, Multimedia, Web  
School of Technology and Management, Polytechnic of Leiria

Teacher in professional school

Subjects: Web, ICT  
Escola Tecnológica e Profissional de Sícó (Avelar)

#### February 2009 – February 2011

Research Scholarship: 3D modelling and animation for cultural heritage.  
School of Technology and Management, Polytechnic of Leiria

#### September 2008 – July 2010

Teacher in elementary school

Subjects: ICT  
Instituto Vasco da Gama (Santiago da Guarda)

## Corporate Experience

### July 2007 – at present

Freelancer – Graphic design and Web developer

Services performed for various institutions – private companies and non-profit institutions

### January 2012 – August 2015

Merchant and Supplier of construction materials

NewCleto, LDA – Santiago da Guarda

## Education

### September 2017 – at present

PhD student: Research in Multisensory Virtual and Augmented Reality

University of Trás-os-Montes and Alto Douro

### September 2015 – July 2017

MSc., in Multimedia, Specialization: Technologies

Faculty of Engineering of the University of Porto

### September 2004 – September 2008

BSc., in Computer Engineering

Specialization: Information and Communication Technologies (ICT)

School of Technology and Management, Polytechnic Institute of Leiria

## Latest Professional Trainings

### English course (C1 and C2 level)

“Programa de Aprendizagem Contínua de Língua Inglesa”, 60H + 60H

October 2016 and April 2018 | Centro de Línguas, Lda. Leiria

### Spanish course

“Língua Espanhola”, 75H + 25H

March 2018 and July 2017 | Factor H - Leiria, and CEFOSAP - Pombal

### Voice for teaching – workshop

“Voz para Docentes: Vocabulário”, 3H

July 2016 | ESAD.CR, Polytechnic Institute of Leiria

### English Practice

“English Conversation Practice”, 8H

June 2016 | ESTG, Polytechnic Institute of Leiria

## Language Skills

### Portuguese

Native language

### English

Written: Fluent

Spoken: Fluent

### Spanish (Castilian)

Written: Intermediate

Spoken: Intermediate

### French

Written: Poor

Spoken: Poor

## Events Organization and Volunteering

### Organizing Committee at CNME2020

October 7-9, 2020

12.º Congresso Nacional de Mecânica Experimental, Leiria (Portugal)

### Organizing Committee at ProDPM'19 Conference

October 2-4, 2019

International Conference on Progress in Digital and Physical Manufacturing, Leiria (Portugal)

### Student Volunteer at Eurographics 2019 Conference

May 6-10, 2019

40th Annual Conference of the European Association for Computer Graphics, Genoa (Italy)

### Volunteer in Museum

August 2017 – at present

Museu Monográfico de Conimbriga-Museu Nacional

## Associativity

### Founding partner and Secretary of the General Assembly Board

August 2009 – at present

Of the futsal team União Desportiva de Santiago da Guarda

### Graphic Design and Social Communication

2005 – at present

In several associations such as ACRPS Lagoa Parada, in União Desportiva de Santiago da Guarda, and in Associação “Os Moscardos”

### Other associativity contributions:

2012 – 2017 | Monthly collaboration in a local newspaper

2008 – 2018 | Event planner and organizer

2005 – at present | Folk Music Dancer

## Research and Events

## First Author Research

11. [\*“Mobile AR: User Evaluation in a Cultural Heritage Context”\*](#),  
Journal article: *Applied Sciences*, 2019

10. [\*“Understandings of the advantages of Augmented Reality in Patients with Autism”\*](#), Journal article: *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*, 2019 [pending publication]

9. [\*“SensiMAR – Designing a Multisensory AR System”\*](#),  
Conference article: *ICGI'2019*) [pending publication]

🏆 Awarded as best communication of young researcher

8. [\*“Using Augmented Reality in Patients with Autism: A Systematic Review”\*](#),  
Conference article: *VipIMAGE 2019*

7. [\*“Applying UTAUT Model for an Acceptance Study Alluding the Use of Augmented Reality in Archaeological Sites”\*](#), Conference article: *VISIGRAPP*, 2019

6. "The Scope of Multisensory Experiences in Cultural Heritage Sites",  
Conference article: ICGI, 2018

5. "DinofelisAR: Users' Perspective about a Mobile AR application in Cultural Heritage", Conference article: VRTCH, 2018

4. "Mobile AR Performance Issues in a Cultural Heritage Environment",  
Journal article: IJICIG, 2018

3. "Mobile Augmented Reality in Cultural Heritage Context: Current Technologies", Conference article: EPCGI, 2017

2. "DinofelisAR Demo: Augmented Reality Based on Natural Features",  
Conference article: CISTI, 2017

1. "Realidade Aumentada Móvel num Contexto de Herança Cultural".  
Book: Novas Edições Acadêmicas, 2017. ISBN: 9783330204454

## Co-author Research

7. Venâncio et al., "Guard@Lis: A new Augmented Reality Mobile Application for Birdwatching", Conference article: CISTI, 2019

6. Sulca et al., "The Use of New Technologies for Mind Birdwatching",  
Conference article: ICAETT, 2019

5. Venâncio et al., "Guard@Lis: Birdwatching Augmented Reality Mobile Application", Conference abstract: ICNBTH, 2019

4. Venâncio et al., "Aplicação de Realidade Aumentada destinada à Observação de Aves", Conference poster: X Congresso de Ornitologia da SPEA, 2019

3. Sousa et al., "O Renascer (virtual) de Miróbriga", Conference poster: ICGI, 2018

2. Gonçalves et al., "Technology as Means to Recreate Cultural Heritage: An Assessment of Some Current Portuguese Projects",  
Journal article: International Journal of Cultural Heritage, 2018

1. Voinea, G. D. et al., "Exploring Cultural Heritage Using Augmented Reality through Google's Project Tango and ARCore", Conference article: VRTCH, 2018

## Latest Relevant Talks

### Interview for an Immersive Learning Podcast

December 1, 2019 | An interview for *The Versatilist* Podcast by Patrick O'Shea. North Carolina, USA.

### «Research in Virtual and Augmented Reality in CIIC»

March 26, 2019 | Presentation in HSR Hochschule für Technik Rapperswil University, Switzerland

### «Augmented Reality applied to Construction Industry»

December 5, 2018 | Seminar for 3rd year students from BSc. in Civil Engineering. School of Technology and Management, Polytechnic of Leiria (Portugal).

### «Computer Science and Communication Research Centre – Projects in VAR »

June 19, 2018 | Presentation in TeCIP Institute/Percro Lab, Sant'Anna School of Advanced Studies, Pisa (Italy).

### «Realidade Aumentada para a Construção»

April 20, 2018 | Workshop “As TIC na Construção” in School of Technology and Management, Polytechnic of Leiria (Portugal).

### «Augmented Reality applied to [whatever you want]»

April 4, 2018 | Seminar for 3rd year students from BSc. in Civil Engineering. School of Technology and Management, Polytechnic of Leiria (Portugal).

### «Realidade Aumentada em Herança Cultural»

March 8, 2018 | Presentation for the XVI *Jornadas de Computação Gráfica e Multimédia*, Technology and Management School of the Viana do Castelo Polytechnic Institute, Viana do Castelo (Portugal).

### «Reconstruindo Conimbriga»

July 5, 2017 | in Museu Monográfico de Conimbriga-Museu Nacional, Condeixa-a-Velha (Portugal).

### «Metodologias para recriar (virtualmente) o nosso património cultural»

June 23, 2017 | in Miróbriga, Santiago do Cacém (Portugal).