



## Resume **Enrique Criado**

**Stereoscopic Supervisor  
Stereographer  
A/V-S3D/VR/AR Technician**

### **CONTACT**

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I have been a passionate advocate for stereoscopic imaging for more than 30 years. This has presented both a professional and personal challenge.

I have been working in my own company focused on stereoscopic film production and a/v engineering since its foundation in 1995.

### **PROFESSIONAL SKILLS**

- Stereoscopic video & film production specialist . Live action , computer graphics, realtime..
- Stereoscopic vision hardware engineer : 3D Film cameras, 3D Theater, Stereo video processing and transmission. Autostereo, glasses free devices. Medical Devices. R+D and engineering.
- Stereoscopic QC ( Quality Check Specialist ) , film, CG and live events.
- Extensive S3D production experience including : creative, budgeting, layout, schedule, shooting , post and finishing for the film and entertainment industry.
- Stereoscopic for VR and immersive production. HMD, Unity , Unreal, RT Engines.

### **EDUCATION / CERTIFICATIONS**

- Associate Degree in Computer Sciences.
- Computer Science Bachelor, UDC. La Coruña. Spain.
- Stereoscopic Displays & Applications ( San Jose, USA )
- 3D Technician.- Barco Golden Partner ( Specialized in Stereo Projection )
- Other: Christie Digital, 3Ality Technica, In2Core certified Qtake 3D operator.

### **AWARDS**

- **1<sup>st</sup> Award . Best 3D Commercial “ In a blink of an eye “. 2012. Live-action+CG.**
- **1<sup>st</sup> Award for Best Use of 3D Stereoscopic 2008. SD&A (CA, USA).**
- **1<sup>st</sup> Award for Best Stereoscopic Short Film 2005. ANIFEST Festival (CZECH REPUBLIC).**
- **1<sup>st</sup> Award for Best Innovative company 2000. AMJE (SPAIN).**

## EXPERIENCE 3-D FILMS / 3-D ENGINEERING.

- **3D Developer of ARMED. A low latency high quality Stereoscopic Tele-Mentoring Medical Device.** Stereoscopic full native remote vision and collaboration. Responsible of all engineering, setup and implementation of an augmented reality medical device. Patent pending.
- **3D Short Film for Spanish ARMY to be used in immersive Head Mounted Displays. HMD ( Meta )** Stereoscopic supervisor for live action and post for the short film.
- **2D-3D Conversion of the CG Feature Film Moomios. Finished. Warner. Release Q1-2023.** Stereoscopic conversion using depthmaps with roundness control, floating windows. ( Done with Maya + Nuke ).
- **3D Supervision Large canvas Stereoscopic Oil Painting** Stereoscopic guide and consulting for a hand painted oil canvas. Victor Lopez-Rua. In progress ( Q1-2023 ) . El instante Vertical
- **3D 5D Live-Action + CGI RIDE-5D Short movie. In progress.** .- Stereoscopic Supervision . Live-Action film+CGI ( Maya / Houdini ) + Nuke + Resolve Studio.
- **3D Live Neuro Surgery National Spanish congress.** Stereoscopic Engineering & Supervision . Realtime stereoscopic corrections, pseudostereo correction and geometry stereo corrections.
- **3D Live Surgery at COEM with Pentero and Trenion, "3D Micro DAY "-** Stereoscopic Engineering & Supervision . Carl Zeiss and COEM .
- **Saint James Way in 3D. 3D Immersive Experience.-** Full Stereoscopic ( video+photo ) production . Xacobeo. Xunta de Galicia.
- **The Mental Twin. An Stereoscopic Oil Paint experience, Victor Lopez-Rua.-** Stereoscopic Consulting & Supervision . Spain .
- **3D Live Surgery Hospital Montecelo, "II Urology Congress "-** Stereoscopic Engineering & Supervision . Olympus. Biomedic Foundation .
- **3D Photography Expo. Compostela, the third dimension. "-** Stereoscopic Photography and 3D printing. Consorcio de Santiago .
- **"180-360° VR 3D Cam"** . Consultant for immersive stereoscopic camera for VR/AR applications. For an intel capital company. California. US.
- **"As Troitas canta ao mencer"** . Short Film. Live-Action. Stereographer / Stereoscopic Supervisor. . Abano Productions. Shoot with 3Ality+ 3D Dron. . Spain.
- **"Juan & Yastay" 3DTV Series.** Computer Animation Stereoscopic Supervisor. . Roberto de Biase Producciones ( Argentina ) . Conversion with Adobe Effects. Multilayer to stereo.
- **Hanuman 5D RIDE FILM.** Theme Park ride film. Computer Animation + Live Action. 4K-HFR ( High Frame Rate ) 48fps. The Guardian Group. India.
- **"Sultangazi 3D"** . 6K-5D Ride Film. 3D Aerial + 3D Ground Shooting + CG. Stereographer + Stereoscopic Supervisor.
- **3D Realtime Video Transmission Surgery.** CHOP. Live 3D Event. Pontevedra Hospital. Spain.
- **Medical 3D Visual Engineering.** Stereo Consultancy .Olympus Medical . Spain.
- **Da Vinci Xi Stereo Surgery .** Visual 3D Engineering. San Rafael Hospital. Stereo Consultancy . Spain
- **3D Water Saving Campain.** CG Animation Series. Stereoscopic Supervisor. Stereo & Rendering. Ministry of Water & Electricity . Arabia Saudi .
- **3D Multi-Projector Wide Passive Projection Theatre.** Stereoscopic engineer & technician. UDC..
- **Virtual Twins. Immersive Oil Paint Experience.-** Victor Lopez-Rua / Spain. Stereographer & Stereoscopic Consultancy.
- **4D/5D Theme Park RIDE FILM.-** 4D Consultant Panini Group / Pune, India. Stereographer & Stereoscopic Consultancy.

- **DRAGONES OURO 3D**.- 3DTV Live Event. Dragones Ouro Gala 2013 / Lightbox , Oporto, Portugal Stereographer & Stereoscopic Supervisor.
- “ **Digiturk 3D** ”. First 3D Cinema Commercial. DNAFilm / Lokomotiv Cinema. Istanbul. Turkey
- “ **Falling Again** ”. 3D Short Film. Alex Pachon. Stereographer /Stereoscopic Supervisor.
- “ **Zapatlela 2 3D . First Marati ( India ) 3D Feature Film**. Directed by Mahesh Kothare, for Price Focus World.
- **London Olympics 3D. The first 3D Olympics ever**. Stereo QC ( 3D quality control ). Stereographer & 3D Engineer. ( OBS 2012, UK )
- “**3D Stereoscopic Oil Painting**”.- **Stereoscopic Supervision and Advice** to the Spanish artist “ Victor Lopez
- “**3DTV Programs.** ”.- TV documentaries 3D productions (**HIGH-TV3D, USA**)
- “**Power Off**”.- 3D Feature Documentary. (ANTARTIDA PRODUCTIONS.- Spain). Global Stereoscopic Supervisor / Stereographer.
- “**Torrente 4 Lethal Crisis**”.- 3D Feature Film. (AMIGUETES ENTERPRISES.- Spain). Stereoscopic Consultant / Stereographer
- “**Istambul 3D.Turkey**”.- Commercial Digital 3D Cinema. (February 2011) (LOKOMOTIF & NUMBER NINE FILMS.- Turkey). Stereographer
- “**The Duel**”.- Digital 3D Feature Film. (Release Q4-2010) (ANTARTIDA PRODUCTIONS.-Spain). Stereographer.
- “**Italcad**”.- 1<sup>st</sup> Italian 3D Cinema Commercial . (Release Q4-2010) (MNOGOFILM.- Italy). Stereographer.
- “**Chamilla**”.-Commercial for Digital 3D Cinema. (April 2010) (DISNEY/DOBLEZERO.- Spain). Stereoscopic Supervisor & Stereoscopic postproduction.
- “**Cevimasa 2D -> 3D Conversion**”.- Hi-RES 2D->3D conversions (AGR.- Spain ). 2D-3D Stereoscopic Supervisor.
- “**Regina Verbae**”.-Digital 3D Feature Film (in progress). Digital 3D-4K (CONTINENTAL PRODUCCIONES.- Spain). **Stereographer.**
- “**Malta 5D**”.- Digital 4D3-D-Full HD (TENUES & MARTINEZ.- Malta Government). Stereographer & Stereoscopic Supervisor.
- **Jack the Ripper in 3-D**”.- Real Live & CGI (2009) (TERROR FACTORY,LTD.- Unit Kingdom). Stereoscopic Postproduction.
- “**PFizer Pharma 3D**”.- Commercial 3D CGI (2008) (TAKE THE WIND.- Portugal). Stereoscopic Supervisor.

### **EXPERIENCE 3-D FILMS AT ENXEBRE ENTERTAINMENT**

**GLOBAL STEREOSCOPIC DIRECTOR, SUPERVISION & STEREOGRAPHER ON SET. ( FULL PRODUCTION FROM SCRIPT TO SCREEN ).**

- “**Green Roads '10**”.- (October 2010) Digital 3D-HD
- “**Treasure hunt in Bocairent**”.- (July 2010) Digital 3D-HD
- “**U-Boat Adventure 4D ( 3D+EFX )**”.- (March 2010), Digital 3D-HD.
- “**The End of St. James Way ( 3D+EFX )** ”.- (January 2010) Digital 3DHD-50fps.
- “**Discovering Ancares in 3-D**”.- Combination Live Action & CGI (2007)
- “**Virtual Hostess in 3-D**”.- Stereoscopic CGI holographic production (2006).
- “**Destination Ancares in 3-D**”.- First Spanish aerial 3D Stereo movie (2006).
- “**Watch Out! in 3-D**”.- Combination Live Action & CGI (2006)

- *“Ice Rescue in 3-D”*.- Stereoscopic Ride Film (2005)
- *“Space News in 3-D”*.- CGI Stereoscopic 3D (2004) **First Award in Anifest Festival 2005** (Czech Republic).
- *“Jako & The Pet Thief in 3-D”*.- Production of first Spanish 2K Res. 3D Stereo CGI Short film (2002), licensed to **Warner Bros. Park Madrid.**
- *“Love, Loves in 3-D”*.- Combination Live Action & CGI (2002)
- *“X-Mas Tale in 3-D”*.- Combination Live action & CGI (2001)
- *“Talking Fish in 3-D”*.- Underwater live-action & CGI, first European short movie (2001).
- *“Tales of St.James Cathedral in 3-D”*.- First Spanish stereoscopic production with Live-Action and CGI (1999)
- *“Milky Way in 3-D”*.- CGI stereo 3D (1999)
- *“Medieval Market in 3-D”*.- Live Action stereo 3D (1997)
- *“Green Roads in 3-D”* .- Live Action stereo 3D (1996)

## RECENT CONFERENCES

### 2022

- Santiago de Compostela. Week of Arts. Creative Crew from Spain.

### 2015

- Balearic Islands. Stereoscopic 3DTV Challenges. Vi interactive Digital TV Congress. TDVI RedAuti.

### 2012

- Alcobendas, SPAIN, Stereoscopic MasterClass in Vocational College CEI José Luis Garci, February.
- Badajoz, SPAIN, Theoretical & Practical Stereoscopic Course, March.
- Madrid, SPAIN, Teorical & Practical Stereoscopic Course, March.

### 2011

- Valencia, SPAIN, **FORUMTECH 2011**, “Telling Stories in 3D”, November, 25.
- Joensuu, FINLAND, **2nd International 3D Seminar**, “Stereoscopic Cinema, Connecting your Storyline with Visual Perception”. 10th Nov 2011.
- Mumbai, INDIA, **Broadcast India**, “Stereoscopic Cinema, Connecting your Storyline with Visual Perception”. 20th Oct 2011.
- Paris, FRANCE **DIMENSION 3** “Stereoscopic Perception. Connecting Narrative to Perception”. May 2011.

### 2010

- Valencia, SPAIN, **FICOD 2010** December, 2 2010.
- Valencia, SPAIN, **FORUMTECH 2010** December, 1 2010.
- Vitoria, SPAIN, 8th Edition **Congress on Virtual Reality Applications (CARVI 2010)** “Stereoscopic Tools for the Entertainment Production”. November 2010.
- SINGAPORE, **The Egg Story Digital Arts School Seminar Series 2, 2010.** “Stereoscopic Perception & Creativity”. March 2010.

## 2009

- Sydney, AUSTRALIA, **SMPTE 2009, Society of Motion Pictures and Television Engineers**. "Stereoscopic Cinematography".- Modern Cinema Conferences.
- Madrid, SPAIN, **The Spanish Academy of Motion Picture Arts & Sciences .- Digital Cinema & Stereoscapy Workshop 2009**, "Stereoscapy Cinematography. Perception & Creativity".
- Santiago de Compostela, SPAIN, **2th Expert Forum "New Media & Audiovisual Content" NovoMed 09**.
- La Coruna, SPAIN, University of La Coruna "**Masters degree in Management and Audiovisual Production**" "Stereoscopic Cinema Workshop" by Enrique Criado.

## 2008

- San Jose, CA, USA, **Stereoscopic Displays & Applications 2008**, "Original and creative stereoscopic film making". **Awarded for the best 3D presentation**. (Award shared with Rob Engle, Sony Imageworks).
- Vitoria, SPAIN, 6th Edition **Congress in Virtual Reality Applications**, "Sculpting the Stereoscopic perception in 3-D films".
- San Sebastian, SPAIN, **56° San Sebastian Film Festival**, "Stereoscopic Photography in the 7<sup>th</sup> Art. Creativity & Fundamentals".
- La Coruna, SPAIN, **Meeting of Science Museums in The Domus** , "About 3D Cinema" .
- Santiago de Compostela, SPAIN, **Curtocircuito Film Festival**, "Masterclass about Stereoscopic 3D Cinema".
- Vitoria, SPAIN, **Virtual Tecnology & 3D Cinema Day**, "Lenguaje and Tools of Stereoscopic 3D Cinema".

## 2007

- Madrid, SPAIN **Broadcast 2007** , Digital Cinema. Distribution and Exhibition.
- Amsterdam, **IBC 2007**, The Bigger Picture, "Understanding the ins and outs of 3-D Stereoscopic cinema".
- Los Angeles, USA, **Directors Guild of America. Digital Day + . Production of 3D movies**.
- Zaragoza, SPAIN, **TEA2007, EUROPEAN HD Conferences**, "Stereoscopic productions: Understanding and Improving the Three-dimensional Perception". 3D Consultant for stereoscopic projection of the Lucasfilm 8 minute 3D Short film "Star Wars".
- Vitoria, SPAIN, 5th Edition **Congress in Virtual Reality Applications**, "3D Cinema. Understanding the binocular vision".

## 2006

- San Jose, CA, USA. **Stereoscopic Displays & Applications**, "Stereoscopic Image Production".
- Zaragoza, SPAIN, **TEA2006, EUROPEAN HD Conferences**, "CGI and Live Stereoscopic Production".
- Vitoria, SPAIN, 4th Edition **Congress in Virtual Reality Applications**, "Stereoscopic Productions".
- La Coruna, SPAIN, **Mundos Digitales**, "Stereoscopic Integration of Live & CGI Imagery".
- Munich, GERMANY, **S+3D Today** , "Digital Live Stereo Filmmaking".

As Technical adviser for companies like LucasFilm, LTD., in the stereoscopic projection of the short 3-D piece of Star Wars in Spain (2007). Also, as adviser for the Spanish Government and universities, providing them with assessment on technical specifications, installation and maintenance of 3D systems, as well as motion-trackers, head mounted displays, immersive screens, etc. from 1996 until present.

- Alliance with The Foundry & Projection Design, developing stereoscopic workflows with Nuke & Ocula.
- Assessment and Engineering of 3-D Stereoscopic devices and systems.
- Design and operation of 3-D rigs and other live-action shooting devices.
- Design, installation, operation of 3-D projection equipment, digital & film.

## **R&D EXPERIENCE**

- Design and development of a Tele.Mentoring Ultra Low latency medical mentor device.
- Designed and constructed an underwater stereo housing for 3-D U/W shooting.
- Designed and constructed some 3D Stereo Rig for film and digital shooting.
- Designed a methodology for fast 3D Image testing, encoding and viewing, for live-action & CGI production.
- Designed and constructed a compact 3D monitor based on two LCD monitors.
- Designed a software tool for a stereoscopic realtime adjusting of the floating window.
- Developed a CG 3-D Camera for stereo production. ( Maya / Nuke )

## **QUALIFICATIONS**

- Strong Management, organizational and leadership experience.
- Creative Direction. Project Leader.
- Strong understanding and use of Stereoscopic Science.
- Able to free and cross-viewing (no glasses needed for 3D evaluation).
- Deep technical and production experience, networking, computers.
- QtakeHDx2 3D Operator
- Camera Operator (Digital).

## **MEMBERSHIP**

3D-CONSORTIUM (JAPAN)

ISU (USA)

ACM SIGGRAPH (USA)

CLAG (SPAIN)

Technology Platform I+DEA (SPAIN)

SPIE (USA)

NSA (USA)

AMJE (SPAIN)

Technology Platform AEI (SPAIN)