



Professional Skills

General Skills:

Film Direction
Edition
Color Grading
Motion Graphics
3d Modelling, Rigging, Animating,
Lightning, Rendering
Video Documentation
Concert Concept Creation and Visualization
Image Manipulation
Photography

Computer Related Skills:

SideFx Houdini:

Procedural Modeling
Animation
Data Visualization
Character Rigging
Light
Rendering
Terrain
Compositing
Particles
Fluids

Adobe Premiere / After Effects

Nuke / Davinci Resolve:

Edition
Motion FX
Animation
Compositing
Color Correction

Blender, Plasticity, Zbrush:

3d Modelling

Adobe Photoshop / Illustrator

Indesign / Affinity Photo :

Photo Manipulation
Layout
Graphic Design

Resolume Arena:

Video Mapping
Video Projection

Prusa 3d Printer:

Object prototyping
3d Printing

Unreal Engine:

Motion Capture, Face Capture

AI Skills:

Adobe Firefly, DALL-E
Midjourney, ComfyUI:

Prototyping, Texturing, Visual Study
Dedicated/Consistent Reference Style



Papers and Citations

2023 IEEE/CVF WACV 2023
Multi-View Photometric Stereo Revisited
<https://www.research-collection.ethz.ch/handle/20.500.11850/590876>

2022 IEEE/CVF CVPR 2022
Uncertainty-Aware Deep
Multi-View Photometric Stereo
<https://doi.org/10.3929/ethz-b-00055465>

2022 Direct vascular contact is a
hallmark of cerebral astrocytes
<https://www.sciencedirect.com/science/article/pii/S221124722003473>

2021 CVPR 2021
Uncalibrated Neural Inverse Rendering for
Photometric Stereo of General Surfaces
<https://www.research-collection.ethz.ch/handle/20.500.11850/520037>

2020 CVPR 2020
Dense Non-Rigid Structure from Motion:
A Manifold Viewpoint
<https://arxiv.org/abs/2006.09197>

2017 SIGGRAPH / VarCity - the video:
The struggles and triumphs of
leveraging fundamental research results in
a graphics video production
<https://dl.acm.org/doi/abs/10.1145/3084363.3085085>



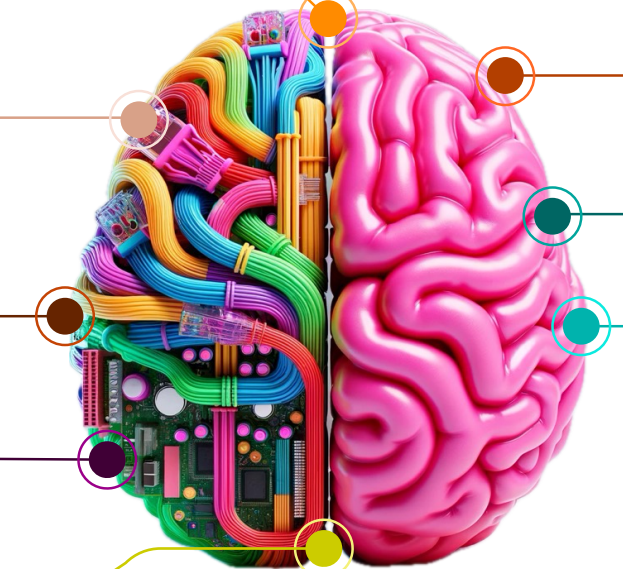
Personal Information

Carlos Eduardo Porto de Oliveira



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Work Permission "C"

I am an experienced multimedia producer specializing in animation, motion graphics, and visual storytelling, with a strong background in computer vision and AI-driven visual projects. Over the past two decades, I've successfully collaborated with international clients across advertising, research, and creative technology sectors—including ETH Zurich, Disney Research, and major global brands—combining technical expertise with artistic creativity. My goal is to continually innovate at the intersection of technology and visual media, contributing impactful, visually engaging experiences and leading dynamic teams in pioneering creative projects.



Languages

English CEFR Level C1
German B1
Portuguese Native
Spanish B1
Japanese N4



Education

1994 - 1998 "Fundação Armando Álvares Penteado" University
São Paulo, Brazil

Bachelor in Social Communication with
Film Specialization

Anthropology
Economy
Art History
Sociology
Communication Theory
Film History
Psychology
Script and Screenplay
Photography and Lighting Film Direction
Film Analysis
Film Editing



Work Experience

06/2016 until now Computer Vision Lab - ETH
Development of Visual Concept
Animation and Edition, Direction,
Photography and Documentary,
Data Creation for Research,
Data Visualization.

08/2024 until 09/2024 Disney Research Center - Zürich
Development of Visual Concept
Animation and Edition,
Color Grading,
(Davinchi Resolve)

08/2015 until 12/2015 Projektil
<http://www.projektil.ch>
Development of Visual Concept
Animation and Edition

09/2015 Söhne Films
Movie "Late Shift"
<http://lateshift-movie.com>
Rotoscopic and Post Production

09/2015 Interactive Design for
Main Building - UBS

02/2015 Söhne Films
Animation for:
Bio Suisse
Samsung
Rotoscopic for:
Frey Chocolate

10/2014 Amsterdam Light Festival 2014
Installation and implementation

2013 Move to Switzerland and start to
make some small freelancer jobs

09/1998 Toro Produções
Advertising Film and
Animation Company São Paulo, Brazil
Company founding partner
Film Director
Post Production
Documentary (Music and Institutional)
Visual Director for Audio Visual projects
Video Live Stream Director

Other Clients ESPN, MTV Brasil
Bradesco Bank Brasil
Weltklasse Zurich
Ray Ban
Luxotica
Globo Television Brasil
Volkswagen



Job Reference

Prof. Ender Konukoglu
Computer Vision Lab - ETH Zurich

Prof. Luc Van Gool
Computer Vision Lab - ETH Zurich
PSI - KU Leuven
INSAIT - Un. Sofia

Kenneth Vanhoey
Unity Technologies

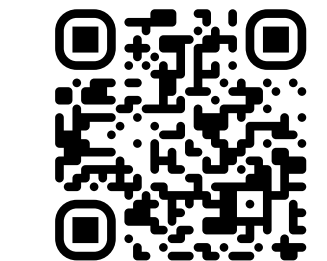
Hayko Riemenschneider
Disney Research



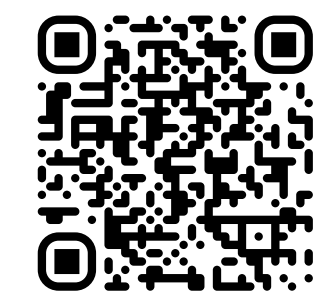
Project Examples



Google Drive:
https://drive.google.com/drive/folders/1dTUuQCEXZtQdNNZQb3GVTsfLE-9Gla1?usp=share_link



Demo Reel:
www.datoro.com/reelink.html



ArtStation
<https://www.artstation.com/cadudatoro>