Diego Porres

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EDUCATION

Universitat Autònoma de Barcelona, Barcelona, Spain — Sep 2019 – Present
- Ph.D. Student in Computer Science
  - Research and work being completed at the Computer Vision Center
  - Focusing on End-to-End Driving, Vision Transformers explainability, and Generative Models
  - Thesis Advisor: Antonio M. López, Ph.D.

Université Nice Sophia Antipolis, Nice, France — Sep 2015 – Sep 2017
- Master of Mathematics and Interactions, with Specialty in Pure and Applied Mathematics

Università degli Studi dell'Aquila, L'Aquila, Italia — Sep 2015 – Sep 2017
- MSc. in Mathematical Engineering

Universidad del Valle de Guatemala, Guatemala, Guatemala — Jan 2007 – Nov 2012
- BSc. in Physics

RESEARCH EXPERIENCE

Computer Vision Center, Universitat Autònoma de Barcelona — May 2017 – Oct 2017
- Graduate Research Student, Advanced Driver Assistance Systems
  - Project: Reinforcement Learning for Self-Driving Cars
  - Supervisor: Antonio M. López, Ph.D.

Clínica de Radioterapia La Asunción, Sanatorio El Pilar, Guatemala — Mar 2011 – May 2012
- Undergraduate Research Student
  - Project: Quality Control in the Information Acquisition of the patient using the CAT3D Computerized Planning System for Cancer Treatment
  - Supervisors: Erick Estuardo Hernández García, MSc. Ricardo E. Contreras Folgar, MSc.

Centro de Estudios Atitlán (CEA), Universidad del Valle de Guatemala — Mar 2010 – May 2010
- Research Assistant
  - Project: Research of the proliferation of the cyanobacteria *Lyngbya robusta* on Lake Atitlán, Guatemala.
  - Supervisor: Margaret Ann Dix, MSc.

PUBLICATIONS

WORKSHOPS

Diego Porres, "Discriminator Synthesis: On reusing the other half of Generative Adversarial Networks", in *NeurIPS Workshop on Machine Learning for Creativity and Design 2021*, Sydney, Australia, 13 Dec 2021.

PROFESSIONAL EXPERIENCE

Master in Computer Vision, Computer Vision Center, Universitat Autònoma de Barcelona
Teaching Assistant
- Generative Adversarial Networks — Mar 2020 – Present
  - Design and grade the GAN exercise for the Generative Models lectures given by Michał Drożdżal
  - Its goal is to give a profound understanding of the training mechanism of a GAN

Snapchat, Remote — 21 Jul 2020 – 21 Aug 2020
- AR Creator Residency Program (now **Ghost**)
  - Project: Create a Snapchat Lens leveraging the Machine Learning capabilites of Lens Studio 3.x
  - Final lens: Huipil HairStyle: change hair color, conditioned on the styles of *huipils* from different regions of Guatemala
  - Focus: Machine learning Lens Studio, style transfer, Pytorch, ONNX, Javascript.

PROJECTS

Visual-reactive interpolation with StyleGAN3 (static and live demos; code here); *Sketchbook Drawings*

INTERESTS

Generative art (NeurIPS Workshop on ML for Creativity and Design 2018, 2020, 2021, 2022, Museo Ixchel de Traje Indígena - 2022, CVPR 2023 Art Gallery), photography, swimming, hiking, art, volunteering.