Giorgia Pitteri

Personal Details

👤 Giorgia Pitteri

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📅 Date of birth: 22/05/1991

🚩 Nationality: Italian

🌐 https://giorgiapitteri.github.io/

Skills

Python ●●●●●●
C++ ●●●○○○
PyTorch ●●●●○○
Tensorflow ●●●○○○
MatLab ●●●○○○
Computer Vision ●●●●○○
Deep Learning ●●●●○○

Languages

Italian ●●●●●○
English ●●●●○○
French ●●●●○○

Hobbies and Interests

■ Running
■ Skiing
■ Dance

Profile

I'm a PhD student working on 3D Object Pose Estimation under the supervision of **Prof. Vincent Lepetit**. My project is fully funded by **Siemens Corporate Technology, Munich**. During the PhD I spent time at Siemens in Munich, working with the Digital Perception Group, and at the Ecoles de Ponts ParisTech in Paris, working with the Imagine Group.

Education

PhD in Computer Science   11/2017 - 11/2020
University of Bordeaux, Bordeaux

- Thesis title: "3D Object Pose Estimation in Industrial Context". Supervisor: **Prof. Vincent Lepetit**.
- Defence date: 26 November 2020

Master Degree in Control and Automation Engineering   10/2013 - 09/2015
University of Padua, Padova

- Degree mark: 110/110 cum Laude
- Thesis title: "Depth-based frontal view generation for pose invariant face recognitionwith consumer RGB-D sensors". Supervisor: **Prof. Emanuele Menegatti**.

Bachelor degree in Information Engineering   10/2010 - 07/2013
University of Padua, Padova

- Degree mark: 107/110
- Thesis title: "Video motion analysis applied to the study of the volleyball strike jump". Supervisor: **Prof. Chiara Dalla Man**.

Work Experience

PhD candidate   11/2017 - 11/2020
Bordeaux Computer Science Laboratory, Bordeaux

PhD in Computer Vision and Deep Learning.
Visiting periods:

- Summer 2019: **Siemens Corporate Technology in Munich**, working with the Digital Perception Group.
- Nov 2019 - Nov. 2020: **Ecole des Ponts, ParisTech** in Paris, working with the IMAGINE Research Group.

Research Engineer   11/2016 - 11/2017
Cynny S.p.A, Florence

Research and development of high-efficiency Deep Learning applications for mobile devices and web cloud services.

- Related fields are: Object Classification and Detection, Face and Identity Recognition.
- Proficient in AI and CV libraries like TensorFlow, and OpenCV.

Control Algorithms Engineer   03/2016 - 11/2016
Electrolux S.p.A, Pordenone

Research and development of control algorithms and machine learning techniques for laundries and driers.

Research Assistant   **10/2015 - 03/2016**
University of Padua, Padova

Research on face recognition systems from consumer RGB-D sensors to be applied to mobile robots at the *Intelligent Autonomous Systems Laboratory*.

Publications

G. Pitteri, A. Bugeau, S.Ilic, V. Lepetit, *3D Object Detection and Pose Estimation of Unseen Objects in Color Images with Local Surface Embeddings*, ACCV, 2020.
G. Pitteri, M. Ramamonjisoa, S.Ilic, V. Lepetit, *On Object Symmetries and 6D Pose Estimation from Images*, 3DV, 2019.
G. Pitteri, S.Ilic, V. Lepetit, *CorNet: Generic 3D Corners for 6D Pose Estimation of New Objects without Retraining*, ICCVW, 2019.
G. Pitteri, M. Munaro and E. Menegatti, *Depth-based frontal view generation for pose invariant face recognition with consumer RGB-D sensors,* IAS-14, 2016.

Certificates

PRAIRE Artificial Intelligence Summer School   **2018**

Deep Learning Foundation Nanodegree, Udacity   **2017**

Extracurricular Activities

- Teaching assistant for the course "**Artificial Intelligence**", 1st year of Master practical sessions at the University of Bordeaux.
- Weekly PhD reading groups organizer in 2017 and 2018.
- Reviewer for the **Computer Vision and Image Understanding Journal** (CVIU) in 2018, 2019 and 2020.