



GIUSEPPE ANTONIO

RECUPERO

CURRICULUM VITAE



Date of birth / **16/01/1998** Age / **25**
 Place of birth / **MESSINA (ME)**
 Nationality/ citizenship / **Italy**
 Via Salicà 68A, 98050
TERME VIGLIATORE (ME)
 Driving licence / **B**
 ID/**4847812** updated on **15/09/23**

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FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): **Italian**



ENGLISH	B2	C1	B2	B2	C1
GOOD					
FRENCH	B1	B2	B1	B1	B1
FAIR					

DIGITAL COMPETENCES

Self-assessment grid
 Information processing **Proficient user**
 Communication **Independent user**
 Content creation **Independent user**
 Safety **Independent user**
 Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /
 Doctoral studies



WORK EXPERIENCES

Research Fellowship in Mathematics
CNRS LABORATOIRE DES SIGNAUX ET SYSTÈMES DE SOPHIA ANTIPOLIS
Education, training, research and development
NICE (FRANCE)
 04/2021 - 07/2021

Main activities and responsibilities: (Research Fellowship UNIBO, Department of Mathematics - Call for Applications - Prot. n. 0311134 del 18/12/2020 - Provvedimenti Dirigenziali 7865/2020 - University of Bologna).

In-depth study of a Partial Differential Equation model in image analysis and its extension to surfaces
 Employed as: intern/trainee - internship



ACADEMIC STUDIES

PH.D.
 2021 - 2024
ONGOING STUDIES

Alma Mater Studiorum - Università di Bologna
PhD in Mathematics
PhD cycle: 37
 Expected graduation date: 2024



MASTER'S DEGREE
 2018 - 2021
CERTIFIED TITLE

Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
Master's degree in Mathematics
 specific field of the degree course: curriculum a: generale e applicativo
 LM-40 - 2nd level degree in Mathematics
 Dissertation/thesis title: Non-convex Variational Surface Denoising | Thesis supervisor: MORIGI SERENA
 Age at graduation: 23 | Official duration: 2 years
 Final degree mark: **110/110 cum laude**
 Graduation date: 26/03/2021



BACHELOR'S DEGREE
 2015 - 2018
CERTIFIED TITLE

Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
MATEMATICA
 L-35 - 1st level degree in Mathematics
 Dissertation/thesis title: Dirichlet's Theorem on primes in arithmetic progressions | Thesis supervisor: VENTURINI SERGIO
 Age at graduation: 20 | Official duration: 3 years
 Final degree mark: **109/110**
 Graduation date: 14/12/2018



OTHER POSTGRADUATE STUDIES

TRAINING COURSE
 2022

Winter PhD school on Advanced methods for mathematical image analysis

Alma Mater Studiorum - Università di Bologna
 MIVA Winter School - 32 Hours held in the following Universities: Bologna - Genova - Modena and Reggio Emilia - Insubria

2022

Machine Learning Crash Course
 Università degli Studi di GENOVA
 Summer School - MALGA and UNIGE - 20 hours

2022

First Italian School in Geometric Deep Learning
Università degli Studi 'G. d'Annunzio' di CHIETI
Summer School - 25 hours



FOREIGN LANGUAGE SKILLS

English Cambridge English Level 1 Certificate in ESOL International (First), University of Cambridge, 26 Jan 2015 , **Europass level B2**



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Spreadsheets: (Intermediate) | **Web Browser:** (Advanced) | **Word Processors:** (Advanced)

COMPUTER PROGRAMMING

Markup languages: LaTeX (Intermediate) | **Programming languages:** MATLAB (Intermediate) , Python (Intermediate)



STUDIES AND EXPERIENCES ABROAD

FRANCE 2023

Other experience acknowledged by the course of study (Scholarship Marco Polo)

At: ENSICAEN

Place: **Caen (France)** | **Language:** French | **Duration:** 3 (months)
Research Period in Caen (Francia), with supervision of Prof. Jalal Fadili (ENSICAEN)

FRANCE 2020

European Union program (Erasmus)

At: Université Paris Dauphine

Place: **Paris (France)** | **Language:** English | **Duration:** 6 (months)
Paris-Dauphine University



CONFERENCES AND SEMINARS

CONFERENCES 01/09/2023

YAMC 2023 , Siena

Young Applied Mathematician Conference.

Presentation: Non-local and non-linear versions of the Osmosis PDE model: properties and applications on images and graphs

CONVENTIONS 29/08/2023

SIMAI 2023 , Matera

Società Italiana Matematica Applicata e Industriale

Talk in Mini-symposium: Non-local and non-linear versions of the Osmosis PDE model: properties and applications on images and graphs

CONFERENCES 20/09/2022

SMART 2022 , Rimini

Presentation of the article: Geometric Texture Transfer via Alternate Descriptors, Martin Huska, Serena Morigi, Giuseppe Antonio Recupero

20-24/09/2022

CONFERENCES 26/10/2021

Smart Tools and Applications in Graphics 2021

Virtual Event, 26-29 October 2021. **Presentation of the article:**

A unified surface geometric framework for feature-aware denoising, hole filling and context-aware completion; 2021.

<https://doi.org/10.1007/s10851-022-01107-w>

CONFERENCES 17/05/2021

International Conference on Scale Space and Variational Methods in Computer Vision (SSVM)

Poster Presentation:

Sparsity-aided Variational Mesh Restoration, 2021.



PUBLICATIONS

JOURNAL ARTICLES 2023

L.Calatroni, S.Morigi, S.Parisotto, G.A.Recupero, Fast and stable schemes for non-linear osmosis filtering
Review: Computers & Mathematics with Applications
Publisher: Elsevier
doi.org/10.1016/j.camwa.2022.12.015

JOURNAL ARTICLES 2023

M.Huska, S.Morigi, G.A.Recupero, Geometric texture transfer via local geometric descriptors
Review: Applied Mathematics and Computation
Publisher: Elsevier
doi.org/10.1016/j.amc.2023.128031

JOURNAL ARTICLES 2022

Luca Calatroni; Martin Huska; Serena Morigi; Giuseppe Antonio Recupero, A unified surface geometric framework for feature-aware denoising, hole filling and context-aware completion
Review: Journal of Mathematical Imaging and Vision
doi.org/10.1007/s10851-022-01107-w

JOURNAL ARTICLES 2021

Martin Huska, Serena Morigi, Giuseppe Antonio Recupero, Sparsity-aided Variational Mesh Restoration
Lecture Notes in Computer Science, SSVM 2021, LNCS 12679:
Scale Space and Variational Methods in Computer Vision,
DOI:10.1007/978-3-030-75549-2_35., 2021



TEACHING ACTIVITIES

LESSONS/LECTURES 2020

University of Bologna
Tutoring Activity
Correction of exercises, preparation and correction of exams.
'Geometry and Algebra' course, degree programme in Mechanical Engineering. (100 hours)
Employed as: intern/trainee - undergraduate internship