

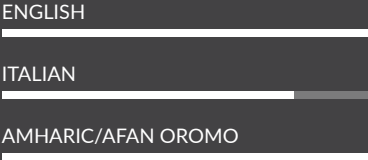
ABOUT ME

PhD/MSc/BSc in Computer Science and experience in machine learning techniques, deep learning, and web and API development. I have worked as a programmer and researcher and am skilled at adapting to different teams and environments.

LINK

github:
<https://github.com/tgdulecha>

LANGUAGES



PERSONAL DETAILS

Date of birth
30 Apr 1985

Nationality
Ethiopian


PUBLICATIONS

DISK-NEURALRTI:
OPTIMIZED NEURALRTI
RELIGHTING THROUGH
KNOWLEDGE
DISTILLATION
2024
JAN 2024


NEURAL REFLECTANCE
TRANSFORMATION
IMAGING SYNTHPS: A
BENCHMARK FOR
EVALUATION OF
PHOTOMETRIC STEREO
ALGORITHMS FOR
CULTURAL HERITAGE
APPLICATIONS
2020
JAN 2020

TINSAE
GEBRECHRISTOS
DULECHA


POSTDOCTORAL RESEARCH FELLOW



Via francesco petrarca, 10, 30171,
Venice, Italy, Venice, 30171, Italy



(+39) 3207256679



tinsae.gebrechristos@gmail.com

WORK EXPERIENCE

UNIVERSITY OF
VERONA,
DEPARTMENT OF
ENGINEERING FOR
INNOVATION
MEDICINE
Verona
Feb 2024 - Present

Research Fellow

- Researching material appearance, machine learning, and reflectance transformation imaging for cultural heritage applications.

CA' FOSCARI
UNIVERSITY OF
VENICE
Venice
Feb 2023 - Jan 2024

Research Fellow

- Conducted research in the Department of Philosophy and Cultural Heritage.
- Realized an **AR**gument Extractor and **AN**alyzer (AREA) - a research tool that can extract and analyze arguments from online debates.

UNIVERSITY OF
VERONA,
DEPARTMENT OF
CULTURE AND
CIVILIZATION
Verona
Sep 2021 - Jan 2023

Research Fellow

- I developed a web content management system that allowed the principal investigator to make edits.
- I designed and realized a database management system that enabled researchers to store, retrieve, and export archaeological data related to Roman emperors, from Augustus to the Tetrarchs.

UNIVERSITY OF
VERONA,
DEPARTMENT OF
COMPUTER SCIENCE
Verona
Jan 2021 - Jun 2021

Research Scholarship Holder

- Conducted research in the field of Computer Science.

CA' FOSCARI
UNIVERSITY OF
VENICE, EUROPEAN
CENTRE FOR LIVING
TECHNOLOGY(ECLT)
Venice
Oct 2016 - Oct 2017

Research Fellow

- Conducted research at the European Centre for Living Technology.
- Realized a computer vision system for beverage product recognition by analyzing refrigerator shelf images.

HAWASSA
UNIVERSITY,
INSTITUTE OF
TECHNOLOGY,
SCHOOL OF
INFORMATICS
Hawassa
Mar 2016 - Oct 2016

Lecturer

- Taught the laboratory sessions for the *Introduction to Information Storage and Retrieval* course using C++.

STATE-OF-THE-ART IN
MULTI-LIGHT IMAGE
COLLECTIONS FOR
SURFACE VISUALIZATION
AND ANALYSIS

2019

JAN 2019

CRACK DETECTION IN
SINGLE-AND MULTI-LIGHT
IMAGES OF PAINTED
SURFACES USING
CONVOLUTIONAL NEURAL
NETWORKS

2019

JAN 2019

MLIC-SYNTHETIZER: A
SYNTHETIC MULTI-LIGHT
IMAGE COLLECTION
GENERATOR

2019

JAN 2019

OBJECTIVE AND
SUBJECTIVE EVALUATION
OF VIRTUAL RELIGHTING
FROM REFLECTANCE
TRANSFORMATION
IMAGING DATA

2018

JAN 2018

ARTWORKS IN THE
SPOTLIGHT:
CHARACTERIZATION WITH
A MULTISPECTRAL LED
DOME

2017

JAN 2017

A COMPUTER VISION
SYSTEM FOR THE
AUTOMATIC INVENTORY
OF A COOLER

2017

JAN 2017

REPLICATOR EQUATION:
APPLICATIONS REVISITED

2017

JAN 2017

IUAV UNIVERSITY OF
VENICE

Venice

Dec 2014 - Nov 2015

Research Fellow

- Conducted research at IUAV University of Venice.
- I worked on the development of a client-server augmented reality framework.

ETHIO TELECOM

Addis Ababa

Jan 2011 - Oct 2012

Pre-sales Engineer

- Provided technical advice and consulting for enterprise customers, prepared technical proposals, and implemented services.

ETHIOPIAN
TELECOMMUNICATI
ONS CORPORATION

Addis Ababa

Sep 2007 - Oct 2011

Programmer

- Developed software for internal use of the company, and provided training for customer care and billing.

EDUCATION

UNIVERSITY OF
VERONA

Verona

2021

PhD in Computer Science

- Focused on appearance measurement and analysis from multi-light image collections using machine/deep learning techniques.

CA' FOSCARI
UNIVERSITY OF
VENICE

Venice

2014

Master of Science in Computer Science

- Studied Computer vision, Artificial Intelligence, Data and Web Mining, and other related subjects.

HAWASSA
UNIVERSITY

Hawassa

2007

Bachelor of Science in Computer Science

- Studied various courses in subjects areas such as software Development & Programming, Computer Science Core (Algorithms & Data Structures), Databases & Data Management, Networking & Systems Administration, Operating systems & computer architecture, Software Engineering & System Design, Mathematics & Theoretical Foundations, Artificial Intelligence & Advanced topics.

SKILLS

SCIKIT-LEARN, NUMPY, PANDAS, OPENCV SCIPY

PHP, FLASK, FASTAPI, ASP.NET CORE

HTML, CSS, JAVASCRIPT, BOOTSTRAP

PYTHON, C++, MATLAB, JAVA

MS SQL SERVER, MYSQL

MATPLOTLIB, SEABORN

DOCKER, KUBERNETES

PYTORCH, KERAS