



Arianna Cignoni

WORK EXPERIENCE

[08/04/2022 – Current] **Prestazione occasionale**

Scuola Superiore Sant'Anna

City: Pisa

Country: Italy

Main activities and responsibilities:

Activities for the development of deep learning models for the analysis of biomedical data.

[01/03/2021 – Current] **Machine Learning Engineer**

Omissis

City: Pisa

Country: Italy

Main activities and responsibilities:

Software developer for machine learning application in industrial field. Frontend and backend developer for industrial application.

[01/03/2019 – 28/02/2022] **Research Fellow**

Scuola Superiore Sant'Anna

City: Pisa

Country: Italy

Main activities and responsibilities:

Software developer and head of scientific publication within the Advanced Laboratory Automation project in collaboration with *Omissis*

EDUCATION AND TRAINING

[03/10/2019 – Current] **Abilitazione alla professione di ingegnere (settore industriale - sezione A)**

University of Pisa

[01/05/2016 – 15/02/2019] **MSc in Biomedical Engineering**

University of Pisa <http://biomedica.ing.unipi.it/>

Address: Italy

Final grade: 110/110 Cum Laude

Thesis: Drowsiness detection for surgeons: design of a wearable integrated EEG system

[01/10/2012 – 29/04/2016] **Bachelor's in Biomedical Engineering**

University of Pisa

Address: Italy

Final grade: 100/110

Thesis: Kinematic analysis of basketball free shot

DIGITAL SKILLS

Anaconda/Python | Deep Learning | Machine Learning and Deep Learning frameworks: Tensorflow, Keras, PyTorch | Microsoft Office | Linux | GIT (GitHub) | microcontroller programming such as Arduino ESP8266 and RaspberryPi

PUBLICATIONS

From P4 medicine to P5 medicine: transitional times for a more human-centric approach to AI-based tools for hospitals of tomorrow

<https://open-research-europe.ec.europa.eu/articles/2-33/v1>

[2021]

Comparative Analysis of Diagnostic Techniques for Melanoma Detection: A Systematic Review of Diagnostic Test Accuracy Studies and Meta-Analysis

<https://www.frontiersin.org/articles/10.3389/fmed.2021.637069/full>

CONFERENCES AND SEMINARS

[21/03/2019 – 22/03/2019] **Joint Workshop on New Technologies for Computer/Robot Assisted Surgery (CRAS)** Genova

T.Banfi, **A.Cignoni**, G.Ciuti – *Drowsiness detection among surgeons: development of a wearable EEG device.*

OTHER EXPERIENCES

B2 FIRST CERTIFICATE IN ENGLISH (LICENSE NUMBER 0058978998)

EUROPEAN COMPUTER DRIVER LICENSE (ECDL)

(JULY 2010) SUMMER SCHOOL IN LIMERICK, IRELAND