

Curriculum Vitae

Personal information

Surname / Name **CELONA Alessandro**
Address Via Nuova 7 - 98137 Messina
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E-mail alecelona@gmail.com
Nationality Italian
Birthdate 06/06/1983
Sex Male

Desired employment / Occupational field

Informatics and Telematics

Professional experience

Dates	15 / 04 / 2008 - 15 / 04 / 2010
Occupation or position held	Functional analyst computer
Main activities and responsibilities	Development and application of web-based technologies for monitoring and cognitive and motor telerehabilitation of patients with central nervous system chronic diseases and management and processing of data collected.
Name and address of employer	IRCCS CENTRO NEUROLESÌ "BONINO PULEJO" Via Provinciale Palermo, Contrada Casazza – 98124 Messina
Type of business or sector	Computer
Dates	02 / 01 / 2008 – 11 / 04 / 2008
Occupation or position held	Internship
Main activities and responsibilities	Development and application of web-based technologies for monitoring and cognitive and motor telerehabilitation of patients with central nervous system chronic diseases and management and processing of data collected.
Name and address of employer	IRCCS CENTRO NEUROLESÌ "BONINO PULEJO" Via Provinciale Palermo, Contrada Casazza – 98124 Messina
Type of business or sector	Computer
Dates	01 / 07 / 2007 – 31 / 12 / 2007
Occupation or position held	Programmer – Researcher
Main activities and responsibilities	Design and development of advanced software applications for remote monitoring and rehabilitation of patients with neurological disorders and management and processing of data collected.
Name and address of employer	IRCCS CENTRO NEUROLESÌ "BONINO PULEJO" Via Provinciale Palermo, Contrada Casazza – 98124 Messina
Type of business or sector	Computer
Dates	Academic Year 2006/2007
Occupation or position held	Trainer
Main activities and responsibilities	Teaching of "Foundations of Computer Science" for the degree course in Computer Science at the Faculty of Sciences
Name and address of employer	Università di Messina, Piazza S. Pugliatti 1 – 98122 Messina
Type of business or sector	Computer

Dates	04/09/2006 - 03/09/2007
Occupation or position held	National Civil Service
Main activities and responsibilities	Cultural promotion, organizational support to cultural events, support to the implementation of the magazine of the association "Na.Sa.Ta. – The Flavors of my South", management of the website of the same Association.
Name and address of employer	Arci Servizio Civile di Messina
Type of business or sector	Industry education and cultural promotion, computer

Dates	03/10/2005 - 02/04/2006
Occupation or position held	Stage
Main activities and responsibilities	Development of computer vision algorithms for recognition of food by ionizing radiation technology.
Name and address of employer	I.Ri.S. S.r.l., area industriale, Pace del Mela - 98040 Messina.
Type of business or sector	Computer

Education and training

Dates	01/2009 - 12/2011
Title of qualification awarded	Doctorate in Clinical Neurobiological Sciences
Principal subjects/occupational skills	New methods and laboratory techniques in the field of SNC diseases; behavioral disorders and new markers for the diagnosis of Alzheimer's Disease; Clinical and instrumental evaluation of vegetative states
Name and type of organization providing education and training	IRCCS Centro Neurolesi "Bonino Pulejo" Via Provinciale Palermo, Contrada Casazza – 98124 Messina
Level in national or international classification	Doctorate

Dates	10/2006 - 10/2008
Title of qualification awarded	Undergraduate course in Informatics
Principal subjects/occupational skills	Planning and Management Systems
Name and type of organization providing education and training	Università di Messina, Facoltà di Scienze
Level in national or international classification	Degree level II

Dates	1997 - 2002
Title of qualification awarded	Qualified surveyor
Principal subjects/occupational skills	English, Elements of Law and Economics, Mathematics and Computer Science, Physics and Laboratory, Science Laboratory, Chemistry and Lab, Design and Planning, Construction, Surveying and Photogrammetry, Systems, Economics, Evaluation.
Name and type of organization providing education and training	I.T.G. "G. Minutoli" sez. geometri C.da Gazzi - Fucile - 98100 Messina
Level in national or international classification	Secondary schooling, second degree

Dates	05/2001 - 12/2001
Title of qualification awarded	ECDL
Principal subjects/occupational skills	Basic concepts of IT, Using the Computer - File Management, Word Processing, Spreadsheets, Database, Presentation, Computer networks - Internet.
Name and type of organization providing education and training	I.T.G. "G. Minutoli" sez. geometri, C.da Gazzi - Fucile - 98100 Messina

Scientific Activities

National Abstracts

CALABRO' RS, LANZAFAME P., DI BELLA P., **CELONA A.**, BRAMANTI P.
IRCCS Centro Neurolesi "Bonino-Pulejo", Messina
Sviluppo e applicazione di tecnologie web-based per il monitoraggio e la telerabilitazione cognitiva e motoria di pazienti affetti da patologie croniche del sistema nervoso centrale
XLIX Congresso Nazionale della S.N.O., Palermo 13-16 Maggio 2009

GIORGIO GRASSO, GIOVANNI PIZZIMENTI, **ALESSANDRO CELONA**
Neural Network Morphological Classification of Cancer Cells by Euclidian Distance Histograms
Abstract Book SIMAI VIII Congresso 2006, Baia Samuele (Ragusa)

GIORGIO GRASSO, GIOVANNI PIZZIMENTI, **ALESSANDRO CELONA**
A New Parametric Scheme for X-Ray Imaging Food Classification
Abstract Book SIMAI VIII Congresso 2006, Baia Samuele (Ragusa)

Publications

CELONA A., LANZAFAME P., BONANNO L., MARINO S., SPANO' B., GRASSO G., PUCCIO L., BRAMANTI P.
Artificial Neural Network (ANN) morphological classification by euclidean distance histograms for prognostic evaluation of magnetic resonance imaging in multiple sclerosis
Communications to SIMAI Congress, ISSN 1827-9015, Vol. 3 (2009) 283 (9pp)

BONANNO L., LANZAFAME P., **CELONA A.**, MARINO S., SPANO' B., PUCCIO L., BRAMANTI P.
Snake segmentation of multiple sclerosis lesions for assisted diagnosis by cluster analysis-based techniques
Applied and Industrial Mathematics in Italy III (AIMI III) ISBN: 978-981-4280-29-7 (in corso di stampa)

Software made

COGNITIVE AND MOTOR REHABILITATION OF NEUROLOGICAL DISEASES
The application allows patients to perform exercises of motor, cognitive and neuromotor type and saves the results of the exercises on mysql database for subsequent graphical and numerical statistics.
This software has been included in the Special Public Registry for computer programs.

MANAGEMENT SOFTWARE OF A DATABASE FOR EVALUATION AND INVESTIGATION ON CARE PATHWAYS RELATING TO THE NATURAL HISTORY OF DISEASE IN DEMENTIA
The software features a Web interface that allows you to collect data to determine which health and social interventions, such therapeutic strategies and treatments which are able to secure better outcomes for people with dementia.
This software has been included in the Special Public Registry for computer programs.

Personal skills

Mother tongue

Italian

Other language

Inglese

Understanding		Spoken		Wrote
Listening	Reading	Oral interaction	Speaking	
scholastic	scholastic	scholastic	scholastic	scholastic

Social skills

Ability to work in group matured in many situations in which it was essential the cooperation between different figures (shifts, weekends).

Organizational skills

Ability to work in stressful situations, especially related to the relationship with the public and the tax deadline for work activities.

Computer skills	<ul style="list-style-type: none"> - Operating Systems: Windows 98/XP/NT/Vista, Linux Red Hat – Mandrake, Mac OS X; - Programming languages: C/C++ (OpenGL (Open Graphics Library), OpenCV (open source computer vision library), ARToolKit (software library for building Augmented Reality applications)), SQL, LabVIEW, MatLab; - Graphics: Photoshop, Quark Xpress, Adobe Flash CS3 Professional; - Design Sw: UML; - Web Programming: HTML, CSS, PHP, Servlet, Jsp, ASP.NET, XML; - Database: MS Access, Mysql.
License	Automotive (License B)
Other informations	<ul style="list-style-type: none"> - Location military: I exempted under the law of 23 August 2004, n.226; - Marital status: single.

The undersigned is aware that, under Article. 26 of Law 15/68, the misleading statements, falsified acts and use of false acts are punishable under the Penal Code and special laws. Furthermore, I authorize the processing of personal data, according to the Legislative Decree 196/2003.