PERSONAL INFORMATION

Valentina Baruzzi

valentina.baruzzi@edu.unige.it

Sex F | Date of birth 03/03/1995 | Nationality Italian

EDUCATION AND TRAINING

From November 2019 to today

Ph.D. student in Science and Technology for Electrical Engineering and Complex System for Mobility. Curriculum: Electrical Engineering, XXXV cycle

University of Genoa, Italy
Supervisor: Prof. Marco Storace, University of Genoa

From September 2017 to October 2019

Master's degree in Bioengineering, Neuroengineering curricula

110 cum laude/110
Average grade: 29.8/30

University of Genoa, Italy

Master's thesis:
"Implementation of Silicon Neurons with Gabor-like Receptive Fields on Neuromorphic Device Using Recurrent Clustered Inhibition"
Supervisors: Prof. Silvio Paolo Sabatini, University of Genoa
Prof. Giacomo Indiveri, Institute of Neuroinformatics UZH-ETH

From September 2017 to today

Student of the Science and Technologies for Information Society Specialization (STSI), Second Level

IANUA-ISSUGE, Institute of Advanced Studies of the University of Genoa

Admission is based on merit, a written test and an oral interview and is reserved to master's degree students. Bioengineering students are required a grade-point average over 29.4/30 or to graduate cum laude at the end of the two years course.

- Relevant subjects of study: industry 4.0, Internet of Things, soft skills, management

From September 2014 to September 2017

Bachelor's degree in Biomedical Engineering

110 cum laude/110
Average grade: 28.72/30

University of Genoa, Italy
Bachelor thesis: "Study and Transfer of Human Motion Kinematics to the Humanoid Robot iCub"
Supervisor: Prof. Maura Casadio, University of Genoa
Co-supervisors: Dr. Francesco Rea, Dr. Alessandra Sciutti, IIT (Italian Institute of Technologies)
Co-author: Linda Lastrico

From September 2014 to September 2017

Educational programme "Higher Education in ICT e Management", First Level

Institute of Advanced Studies in Information and Communication Technologies (ISICT), now STSI in IANUA-ISSUGE

Admission is based on merit, a written test and an oral interview. The minimum requirement is a grade-point average over 27/30. The programme creates a link between the academic world and industries; it consists of more than 100 hours per year of lessons about innovative or managerial subjects, provided professors and industries leader in ICT.

- Winner of a 3 years scholarship
- Relevant subjects of study: Effective Communication, Interplanetary missions, National and International contract law, Business plan, Cybersecurity

From September 2009 to June 2014

High School Diploma

100 cum laude/100

Liceo Scientifico Sperimentale Statale Leonardo, Brescia

From August 2012 to July 2013

Exchange student at Atlantic Bilingual School, Puerto Cortés, Honduras

AFS Intercultural Programs

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WORK EXPERIENCE

October-November 2017
October-November 2018

Scientific entertainer at Festival of Science - Genova

Festival della Scienza (http://www.festivalscienza.it)

From march 2020 to July 2020

Teaching support

For the class “Teoria dei Circuiti”

PERSONAL SKILLS

Mother tongue: Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	First Certificate in English (Council of Europe Level B2 grade B).				
Spanish	B2	B2	B2	B2	B2
	Learnt during the year spent in Honduras.				

Communication skills

- Course in Effective Communication at the Institute of Advanced Studies ISICT
- Course in Soft Skills at the Institute of Advanced Studies IANUA-ISSUGE
- I acquired good communication skills during the experience as a scientific entertainer at Festival of Science in Genova

Programming skills

- Good MATLAB skills acquired working at my bachelor thesis and during my research activities
- Good knowledge of Brian2, a Python-based spiking networks simulator, acquired working at my master’s thesis
- Basic knowledge of C, C++ and C#

Driving licence: B

ADDITIONAL INFORMATION

Summer School: I attended the 7th International School of Neuroengineering “Massimo Grattarola”, Genoa, June 18-22, 2018

National School for PhD students: I attended the XXIII Stage of the “F. Gasparini” National School, Naples, 14-18 ottobre 2019. Covered topics: optimization methods without derivatives, micromagnetism, nonlinear dynamical circuits.

Summer school: I attended the 20 hours course RegML 2020, an advanced machine learning course on regularization methods including theory classes and practical laboratory sessions, June 29-July 3

Date: August 12th, 2020

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