

Name **PONZI ERICA**
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Nationality **Italian**

Date of birth **19/12/1990**

WORK EXPERIENCE

- Dates (from – to) September 2014-July 2014
 - Name and address of employer HuGeF "Human Genetics Foundation", Via Nizza 52, 10126, Turin, Italy
 - Type of business or sector Research center
 - Occupation or position held Biostatistician researcher in the group of "Molecular and Genetic Epidemiology" coordinated by Paolo Vineis
 - Main activities and responsibilities Bioinformatic and statistical analysis of genomic and epigenomic data from epidemiological studies on cancer. Application of statistical models (stochastic processes, bayesian networks, statistical distributions) to medical, biological and environmental problems, especially cancer genomics, estimation of smoking and environmental effects on health and epigenomic phenomena.
- Dates (from – to) February 2014 – July 2014
 - Name and address of employer Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129, Turin, Italy
 - Type of business or sector University
 - Occupation or position held Academic Tutor
 - Main activities and responsibilities Didactic activities, assistance during lectures, laboratories and exams in analysis, algebra and geometry courses
- Dates (from – to) September 2014 – February 2014
 - Name and address of employer Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129, Turin, Italy
 - Type of business or sector University
 - Occupation or position held Academic Tutor
 - Main activities and responsibilities Assistance and collaboration during educational activities in university areas (library, study room, foreign students assistance..)
- Dates (from – to) February 2013 – July 2013
 - Name and address of employer Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129, Turin, Italy
 - Type of business or sector University
 - Occupation or position held Academic Tutor
 - Main activities and responsibilities Didactic activities, assistance during lectures, laboratories, consulting and exams in probability and statistics courses
- Dates (from – to) May 2012 – August 2012
 - Name and address of employer Balckbirds S.r.l., Via Capua 28A, 10144, Turin, Italy
 - Type of business or sector Consulting firm
 - Occupation or position held Internship
 - Main activities and responsibilities Statistical programming in marketing, economics and firm balance optimization. Use of specialized and general purpose software, CRM, ERP, marketing, product and service testing activity

EDUCATION AND TRAINING

- Dates (from – to) October 2012 – October 2014
 - Name and type of organisation providing education and training Master Degree in Mathematical Engineering, Politecnico di Torino
 - Principal subjects/occupational skills covered Statistics, Stochastic processes, Probability, Statistical programming tools and languages, Data Mining and Database management
Operation research, Optimization and Problem Solving.
Mathematical modeling, Mathematical applications in biology, pharmacology, economy, finance and risk management, physics,
Mathematical Engineer, Master degree
104/110
Thesis project: "A bayesian network for the analysis of X chromosome polymorphism in a forensic problem", Thesis supervisors: Mauro Gasparini, Politecnico di Torino, and Carlo Robino, Università di Torino
 - Title of qualification awarded
 - Level in national classification (if appropriate)
- Dates (from – to) October 2009 – October 2012

- Name and type of organisation providing education and training Bachelor Degree in Mathematics for Applied Science and Engineering, Politecnico di Torino
- Principal subjects/occupational skills covered Mathematical analysis, algebra, geometry, physics, probability, statistics, computer science, economics, chemistry, mathematical modeling of applied science problems and phenomena
- Title of qualification awarded Mathematics for Applied Science and Engineering, Bachelor degree
- Level in national classification (if appropriate) 93/110

- Dates (from – to) September 2004 – July 2009
- Name and type of organisation providing education and training Liceo Scientifico Niccolò Copernico, Turin
- Principal subjects/occupational skills covered Mathematics, Physics, Chemistry, Biology, English, German, Latin, Philosophy
- Title of qualification awarded Scientific High School Diploma
- Level in national classification (if appropriate) 100/100

LANGUAGES

ITALIAN (NATIVE SPEAKER)
 ENGLISH
 GERMAN
 FRENCH

SOCIAL SKILLS AND COMPETENCES.

Team working activities, research projects in collaboration with many different research environments and institutions. Multicultural working and academic environment.

ORGANISATIONAL SKILLS AND COMPETENCES

Working group skills, developed during research projects and university group project and assignments.
 Elaboration and participation in scientific articles and papers writing
 Participation in international research projects
 Participation in team activities during university, high school, social and sportive initiatives (member of dancing and ballet classes and volleyball team)

Technical Skills

Statistical Software:
 R and its packages (in particular BioConductor and GRain)
 SAS, STATA, WINBUGS, GENIE, HUGIN, MINITAB
 DATA MINING TOOLS (RAPIDMINER, ...)
 Operations research, Linear and Convex Programming Software and tools (STATETRA, EXE...)
 Optimization software and simulation tools in medical, biological and physical phenomena
 WIndows and OFFICE Package

OTHER SKILLS AND COMPETENCES *Competences not mentioned above.*

"MATHEMATICAL OLYMPIC GAMES" classification during high school competition
 "KANGAROO PROJECT" (high school mathematics and physics competition)
 Editorial Projects During High School
 Experience with didactic support to student, done both privately and in academic activities

DRIVING LICENCE(S)

EUROPEAN B DRIVING LICENCE