

Curriculum Vitæ

Personal information

Name surname
Address
Telephone
Email/website
Born

Giovanni Marelli

Warschauerstrasse 85, 10432, Berlin, Germany
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marelli@inventati.org, dauvi.org, intertino.it
Desenzano del Garda, the 14th/08/1983, Italian, male



Short description

Fields

Experienced in statistical analysis, prediction/forecasting, algorithm design, machine learning, data/text mining, and empirical/theoretical modeling thanks to the background in computational biophysics.

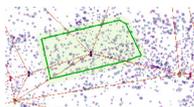
Skills

Specialist in geo market, web segmentation and conversion uplift. Over ten years of coding experience in data processing/visualization, cloud/grid computing, web architecture, warehousing, ETL, front/back end interfaces.

Personal

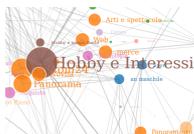
Developer by nature on economical self sustainable projects, curious about innovation, new business models and collaborative working. Passionate about music and hand crafting, good knowledge of international languages and long coaching experience.

Work experience



Data scientist on mobility (10/2017-present)

Data driven decision making by analyzing signals on the mobile communication network to describe movements and activities of masses of people across Germany and Scandinavia. Geographic distribution of people influences the price of estates, position of a commercial activity and the impact of advertising/events. Responsible for customer delivery, machine learning and insight highlights.(motionlogic/Deutsche Telekom, Berlin)



Data scientist on targeted advertising (01/2016-10/2017)

Data driven advertising via audience segmentation on a large cross device media network. User profiles built from web logs, CRM data, second party enrichment, semantic engines, and SEO keywording. Responsible for target quality and performance, inventory forecast, modeling, data visualization, and business intelligence. (Mediamond/Mondadori-Mediaset, Milan).



Data scientist on targeted e-commerce (10/2014-01/2016)

Data driven segmentation of price and ancillary teasers on lufthansa.com. Campaign design, tracking, revenue calculation, reporting and tool concept development [maxymiser, R, hadoop] (e-dynamics/Lufthansa, Frankfurt).



Data consultant for ERP/CRM and BI (10/2013-10/2014)

Advising entrepreneurs to organize and collect data in their companies, installing cloud based ERP/CRM systems [odoo] (techplus, Padova/Brescia/Milano). Setting a geo based rural portal to connect professionals [openLayers, ajax] (Garda).



Data analyst (02-06/2013).

Control on production flow in a milk factory [python, MySQL], livelihoods of a rural population pre-electrification [R, SPSS, qgis], database for patient data handling [php, MySQL] (Njombe, Tanzania).



Research assistant (06/2009-01/2013)

Developing a parallel high performance c++ suite for Monte Carlo and Molecular Dynamics simulations, 3D visualization with OpenGL, ETL, data visualization and reporting for biological oriented questions. (uni-Göttingen, Germany).

2010-2012

08/2009

Publications

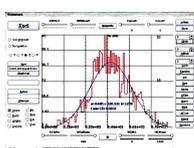
Deutsche Physikalische Gesellschaft (Regensburg, Berlin, Dresden).

Member of GGNB (*Graduate school for Neuroscience and Molecular Bioscience*).

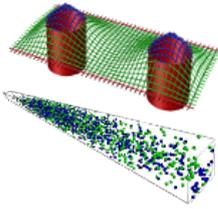
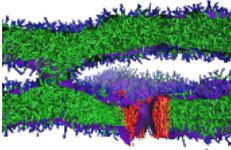
Influenza Fusion, String Method, Pore Formation.

Programmer intern (04-07/2007).

Tool for analyzing and visualizing the statistical properties of random telegraph signals (uni-Padova) [c++, Qt3].



Education



Soft skills/workshops

7/2012

8/2012

10/2013

3-4/2014

4/2014

Professional skills

Professional

Colloquial



Further information



2011-2012

2003-2008

10/2004



Die Georg-August-Universität Göttingen
samt der Präzedenz
Professoren Dr. rer. physiol. Dr. h. c. Ulrike Beißiegel
sind
durch die Mathematisch-Naturwissenschaftliche Fakultät
Georg-August-Universität School of Science (GAUSS)

PhD in physics @*computational biophysics*, uni-Göttingen (06/2009-01/2013)

Study of protein-induced pore stability via profiled parallel computing on multiprocessor clusters (Monte Carlo and PDE) [c, c++, MPI, subversion].

Visualization of statistical properties of data and study on membrane morphology transformations [c++, Qt4, OpenGL, CGAL].

Master in physics @*computational biophysics*, uni-Padova(01/2007-03/2009)

Nanoparticle stability in lipid membranes via molecular dynamics simulations [c++, OpenGL].

Bachelor in physics @solid state, uni-Padova(10/2002-12/2006)

Monte Carlo simulations of ion-defects' diffusion after distribution calculation of sputtering of silicon ions on a silicon lattice [c++, OpenGL].

Tuning of parallel programs (@UniHB).

Challenges and opportunities in **management consulting** (@UniGÖ).

Project Management for young scientists. Taking off as a project pilot (@UniGÖ).

Setting up and programming openERP (Padova).

Entrepreneurship: understand your market, define a strategy and write your business plan (@ander35, Roè Volciano).

HackItaly: 48h **app dev** (@hfarm, Roncade).

Languages

Native: Italian. *Fluent*: English, German, Spanish

Intermediate: French, Portuguese. *Beginner*: Swahili.

Programing (*prog portfolio - github*)

src/ c++, c, python, java (*on device*) openFrameworks, processing, arduino, cordova

lib/ (*graphics*) OpenGL, Qt, GTK+ (*comp*) gsl, numpy, CGAL, theano, keras, sklearn

db/ (*relational*) SQL, postgresql, cassandra (*NoSQL*) mongodb, neo4j (*fs*) hdfs, s3

dev/ (*revision control*) svn, git (*text processing*) bash, sed, perl (*doc*) doxygen (*IDE*) eclipse (*reporting*) tableau, tibco

calc/ (*math*) matlab, octave, maple, root (*statistics*) R, SPSS

www/ (*client*) html5, css3, js, elm (*server*) php, apache2, nodejs (*ERP/CRM*) odoo (*adv*) webtrends, tealium, tealeaf, maxymiser, bluekai, krux, dfp

ops/ (*grid*) msub, qstat, openMP (*hadoop*) hive, spark, jupyter, ambari, ec2, emr

bin/ (*viz*) mayavi, povray (*CAD/3D*) rhino, blender (*GIS*) qgis, openLayers

Awards for the project viudi.it 03/2013 - on

Fund for supporting cultural and creative ideas (Regione Lombardia, 2014).

Ideas' competition Valsabbia e Garda (Comunità Montana ValSabbia, 2014).

Maker of merit (Maker faire Rome, 2016).

Volunteer Work

Service @Mittagstisch Sankt Michael (Göttingen, Germany).

Italian classes for foreigners @Razzismo stop (Padova, Italy).

Visiting the institute João XXIII (Ponta Grossa, Paraná, Brazil).

Hobbies

Waterpolo, rugby, violin, composing.

Attachments

Diplomas, certificates, presentation letters.