Mario Baldi

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Date of birth: 05/06/1991 **Nationality:** Italian

WORK EXPERIENCE

[02/10/2021 – Current]

Senior Software Engineer

EdFlex Italia (ex OfCourseMe)

City: Remote

Distributed and scalable event driven cloud architectures on AWS for data mining and processing

Large scale microservices applications

Crawling/Scraping

PHP Symfony web applications

Python RESTful API

CI/CD

Stack: Symfony, FastAPI, Vue, Scrapy, Docker, Terraform

AWS: EC2, Elastic Load Balancer, IAM, Lambda, ECS, Cloudsearch, ElasticBeanstalk, CodePipeline/CodeBuild, S3, CloudFront, ApiGateway, MSK, DynamoDB, RDS, EventBridge, CloudWatch, Cloudformation

[14/07/2020 – 28/09/2021]

Machine Learning Engineer

BOR Portierato e Guardiania Virtuale

City: Santa Maria Capua Vetere | **Country:** Italy

Real Time human/object detection from more than 10.000 surveillance cameras video streams

Firmware programming of IoT Arm embedded devices

VoIP solutions for video intercom based on multi tenant asterisk pbx and SIP protocol running on Centos on aarch64 SBC

Distributed Systems for CEP analysis of streaming metadata from event-driven devices, based on Apache Pulsar, Apache Kafka and Docker containers in cloud on AWS

[11/10/2017 – 01/06/2021]

Collaborator

Signal Processing and Communications Research Group (MLSPT Lab)

City: Aversa | **Country:** Italy

Collaboration in Signal Processing and Communications Research Group at Università della Campania Luigi Vanvitelli

Machine Learning research

Paper writing

Formal programming

Matlab, Python

Tensorflow, Keras, PyTorch, Caffe

[09/09/2014 – 02/01/2016] **Lead Software Development**

WireGaming

City: Caturano | **Country:** Italy

Game development for gambling solutions

Kiosk solutions

Server administration

web development

Unity 3D in C#

3D animation recording

Automated Audio/Video processing

[01/01/2008 – 09/09/2014] **Freelancer**

Freelancer

City: Capua | **Country:** Italy

IT, Software design, Android & PhoneGap applications development, web design, database design, API implementation, consulting, local and remote hardware and software technical assistance, security, Windows & Linux server administration, android development

[2013 – 2014] **Technician and Programmer**

SOS Rifiuti

City: San Marcellino | **Country:** Italy

Custom hardware solutions development

Distributed architecture and HA systems

Industrial machine firmware development

PHP, MySQL, Javascript, HTML, C# .NET, Assembly, Python

[2012 – 2013] **Software developer**

Mad-Web

City: Caserta | **Country:** Italy

[2010 – 2012] **Designer and Developer**

A-Solution

City: Caserta | **Country:** Italy

EDUCATION AND TRAIN-ING

[2017 – 2020] **Computer Engineering Master Degree**

University of Campania "Luigi Vanvitelli"   https://www.unicampania.it/

City: Aversa | **Country:** Italy | | **Final grade:** Cum Laude

[2013 – 2017] **Bachelor Degree**

Secoonda Università degli Studi di Napoli   https://www.unicampania.it/

City: Aversa | **Country:** Italy |

Information-Preserving Networks and the Mirrored Transform

Probing a Deep Neural Network

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** C2 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

General Data Protection Regulation (GDPR) | Problem analysis & Problem Solving | Project Management | Amazon Web Services | Strategic Planning | PHP Symphony | Terraform | Java | C++ | C# | Web Development | Web Services | Machine Learning | Algorithms and Data Structures | Software Development | Javascript | .NET | PHP | MySQL | Python | jQuery | C | HTML5 | CSS3 | AngularJS | Android | Perl | Linux | Git | Networking | Web Application Security Assessment | Tensorflow | Deep Neural Networks | Numpy | CUDA | Asterisk PBX | Computer Vision | VoIP | Back- | Back-End Development | Database | Docker | Kubernetes | Ansible