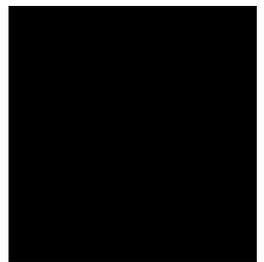


Richard Anthony Falzini

SYSTEM ENGINEER · UNIX SYSADMIN · DATA SCIENTIST

☎ [REDACTED] | ✉ [REDACTED]



Education

Politecnico di Torino

MSC. IN COMPUTER ENGINEERING

- Specialization: software engineering
- Thesis: Convolutional Neural Networks for the histopathological assessment of mesothelioma

Torino, Italy

2015 - 2018

Politecnico di Torino

BENG. IN COMPUTER ENGINEERING

- Internship: Comparative study of scalable, high Performance NOSQL Databases

Torino, Italy

2010 - 2014

Skills

PROGRAMMING LANGUAGE

- Fluent in Linux, C, Python and shell script with bash.
- Good understanding of Java, php and Object-orient programming.
- Familiar of data modeling languages: JSON, YAML, XML.
- Familiar with web programming (html,css)

MACHINE LEARNING

- Good knowledge of Python Deep Learning library(Keras)
- Experienced with analytics engine for big data processing(Hadoop,Spark)
- Experienced with Data-Driven Approach for Machine Learning Algorithms

MASTERING TOOLS

- Good understanding of Hybrid cloud, Cloud Native, Auto Scaling, NoSQL, etc.
- Familiar with some cloud platforms: Azure, AWS
- Familiar with virtualization technologies: KVM, libvirt, oVirt etc.
- Experience with Docker, Singularity, Ansible.
- Experience with Git, Mercurial.
- Familiar with a variety of documentation tools: \LaTeX , MS Office, Markdown, etc.

English

- Fluent in writing and reading documents.
- Average oral English.
- IELTS : 6.5

Work Experience

HPC@POLITO

Torino, Italy

SYSTEM ENGINEER & LINUX SYSTEM ADMIN

Dec 2016 - Present

- High Performance Computing center administration. Cluster design, deployment, monitoring, fine tuning and management. Engineering support.
- Engineering and administration of virtualization cluster based on oVirt and GlusterFS
- System Engineering and System Administration skills in heterogeneous environment including:
 - Multi-platform authentication systems based on LDAP and Samba.
 - Backup systems.
 - Windows and linux, desktop lockdown and deployment.
 - Firewall (iptables) and network services (NTP, DHCP, DNS).
 - IT infrastructure monitoring (Nagios & Ganglia).
 - IT infrastructure operations, servers and networks.
 - Configuration Management Tool (Ansible).
 - Installation server (Cobbler, SystemImager & UDPCast).
 - HPC clusters design, development, setup and management.
 - HPC engineering and parallel applications management, user support, etc.

synArea

Torino, Italy

INTERNSHIP

Apr 2014 - June 2014

- Comparative analysis of the main non-relational DBMS
- Establishment of a datastore service with the MongoDB 2.6 platform with Sharded Cluster architecture
- RESTfull interface development with PHP 5.0 reference language.
- Migration of Relational Datasets to document Database

Torino, 09/04/2018

Richard A. Falzini

