

Riccardo VENANZI

WORK EXPERIENCE

<i>Current</i>	Post Doctoral Research Fellow of AT DISI - UNIVERSITÀ DI BOLOGNA, Bologna (BO) , Italy
JUL 2019	<i>Academia</i>
<i>Current</i>	Adjunct Professor of FOUNDATIONS OF INFORMATICS AND LABORATORY - ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING - UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
FEB 2021	<i>Academia</i>
DEC 2021	Teaching Tutor of LABORATORY OF INFORMATION TECHNOLOGY T - CHEMICAL AND BIOCHEMICAL ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
SEP 2021	<i>Academia</i>
DEC 2021	Teaching Tutor of WEB TECHNOLOGIES T - COMPUTER ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
SEP 2021	<i>Academia</i>
AUG 2021	Teaching Tutor of WEB TECHNOLOGIES T - COMPUTER ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
SEP 2020	<i>Academia</i>
FEB 2020	Teaching Tutor of WEB TECHNOLOGIES T - COMPUTER ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
FEB 2019	<i>Academia</i>
JUN 2019	Research Fellow at AT DISI - UNIVERSITÀ DI BOLOGNA, Bologna (BO) , Italy
JUL 2018	<i>Academia</i>
FEB 2019	Teaching Tutor of WEB TECHNOLOGIES T - COMPUTER ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
FEB 2018	<i>Academia</i>
APR 2018	Research Fellow at DEPARTMENT OF ENGINEERING - UNIVERSITÀ DI FERRARA, Ferrara (FE) , Italy
MAY 2017	<i>Academia</i>
FEB 2018	Teaching Tutor of WEB TECHNOLOGIES T - COMPUTER ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
FEB 2017	<i>Academia</i>
FEB 2018	Teaching Tutor of PRINCIPLES, DESIGN, AND APPLICATION FOR DISTRIBUTED SYSTEMS - ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING - UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
FEB 2017	<i>Academia</i>
FEB 2017	Teaching Tutor of WEB TECHNOLOGIES T - COMPUTER ENGINEERING AT UNIVERSITY OF BOLOGNA, Bologna (BO) , Italy
FEB 2016	<i>Academia</i>
APR 2017	Research Fellow at DISI, ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA, Bologna (BO) , Italy
OCT 2014	<i>Academia</i>

EDUCATION

- MARCH 2019 Ph.D. in COMPUTER ENGINEERING
Università degli studi di Ferrara, Ferrara
31st Cycle
Doctoral Thesis : “Device as a Service and Fog Computing Middleware for the Internet of Things”
— Supervisor: Prof. Cesare STEFANELLI, Co-Supervisor: Prof. Paolo BELLAVISTA
- MARCH 2014 Master of Science in COMPUTER ENGINEERING
Alma Mater Studiorum, University of Bologna, Bologna
110/110 *First Class Honours* — Major: Mobile System
Thesis: “Middleware per smart sensing ad alta scalabilità su deployment metropolitani”
— Advisor: Prof. Paolo BELLAVISTA
Thesis Project developed at Trinity College Dublin (TCD)—
Advisors: Dr. Costantinos PATSAKIS, Dr. Lecturer Mélanie BOUROCHE
Internship Duration: 6 months
- MARCH 2011 Undergraduate Degree in COMPUTER ENGINEERING
101/110 **Alma Mater Studiorum, University of Bologna, Bologna**
Thesis: “Case study for the implementation of a hybrid Amazon EC2-based cloud computing architecture” Advisor: Marco PRANDINI
GPA: —
- JULY 2007 **Istituto Tecnico Industriale “G. & M. Montani”, Fermo** — Final Grade: 82/100

ABROAD EXPERIENCES

- SEP 2017 Internship at
SMART CONNECTED VEHICLES INNOVATION (SCVI) CENTRE AND
NEXT GENERATION COMMUNICATIONS AND COMPUTING NETWORKS (NEXTCON) LAB
UNIVERSITY OF OTTAWA,
Colonel By Hall A516, 161 Louis Pasteur Private, Ottawa, ON, K1N 6N5
Duration: Four months
Supervisor: Professor Burak KANTARCI
- OCT 2013 Internship at DISTRIBUTED SYSTEMS GROUP - TRINITY COLLEGE DUBLIN,
College Green, Dublin 2, Dublin, Ireland
Duration: Six months
Supervisors: Dr. Costantinos PATSAKIS, Dr. Lecturer Mélanie BOUROCHE

LANGUAGES

ENGLISH: Fluent
ITALIAN: Mother tongue

RECOGNITIONS

- Selected by IBM as best student for “IBM Best Student Recognition Event 2015: Smart Food”. 8th - 10th July 2015, Amsterdam, Netherlands.

COMPUTER SKILLS

Basic Knowledge: Office Suite
Intermediate Knowledge: HTML5, Hibernate, Apache SOLR, Flask, Python, Node, React, JQuery, Kubernetes, SQL/NoSQL/TS DBs (i.e. Mysql, Mongo, Influx), MongoDB Charts, Grafana
Advanced Knowledge: C, C#, J2EE, J2SE, UNIX/LINUX, javascript, Java for Web Development, Objective C, iOS, Android, SQL, Apache Spark, Hadoop, IoT, Edge Computing, Docker, Big Data, Industrial IoT Platforms (i.e. Siemens, Eclipse Kura, TTTech Nerve, EdgeX Foundry)

MINOR WORK EXPERIENCES

SUMMER JOBS: Lifeguard (BLS-D licensed)
OCCASIONAL JOBS: Promoter, Bartender

RELEVANT PROJECT

Subject: Mobile System M, Prof. Paolo Bellavista
Object: Development of Facebook integrated messaging Application on Manet Network
Description: The project was carried out by a two people team, breaking it down into three main components: development and implementation of an application-level routing protocol, based on geolocation in a manet networks, integration with Facebook of contacts through proprietary APIs, messaging system between two end-points. The application was developed on iOS environment for iPhone and iPad on Xcode IDE.

Subject: Information Security M – Prof.ssa Rebecca Montanari
Object: Profile Mapping and permission providing on a company Media-Wiki

Partnership: IMOLA INFORMATICA S.R.L.
Via Selice, 66/A
40026 IMOLA (BO)
Italy

Description : The project has the purpose of regulating access to sensitive information in a company Wiki-Media based on RBAC model. It has drawn up a questionnaire to divide any company member in a specific role based on the tasks carried out by him, these were then mapped to RBAC profiles to dynamically provide them access and privileges inherent in their task.