GIACOMO MANTANI

CURRICULUM VITAE

Date of birth / **15/06/1992** Age / **31**
Place of birth / **CESENA (FC)**
Nationality/ citizenship / **Italy**
Via Recco 45, 47522 CESENA (FC)
Driving licence / **B** / **Car available**
ID / **3511220** updated on **02/05/24**

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SOCIAL NETWORK

FOREIGN LANGUAGE SKILLS ⊞ europass

MOTHER TONGUE(S): **Italian**

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ENGLISH GOOD	C1	C2	B2	B2	C1
HEBREW LIMITED	A1	A2	A1	A1	A1

DIGITAL COMPETENCES

DigComp
Information and data literacy **Proficient user**
Communication and collaboration **Proficient user**
Digital content creation **Proficient user**
Safety **Proficient user**
Problem solving **Proficient user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /
Activities for professional qualification

ECONOMIC SECTOR: **1.** computer science, data processing and acquisition / **2.** education, training, research and development / **3.** consultancy (management, legal, accounting, ...)

CAREER FIELD: **1.** R&D and patents / **2.** Engineering and design / **3.** Organization

DESIRED JOB: **Freelance Professional**

PREFERRED DISTRICT TO WORK IN: **1. FORLI'-CESENA**

AVAILABILITY FOR BUSINESS TRAVELS: **Yes, but not often**

AVAILABILITY TO RELOCATE ABROAD: **Yes, even in non-European countries**

Career Goal
Freelance Professional

💼 ## WORK EXPERIENCES

university research assistant
ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA
Computer science, data processing and acquisition
CESENA (FC)
05/2024 - TODAY

Main activities and responsibilities: Designing and developing innovative applications for data collection and visualization of interactive content to increase environmental awareness Employed as: other - fixed-length contract | Company sector: R&D and patents

Cyber Security Consultant
ALTA SARTORIA S.R.L.
Computer science, data processing and acquisition (FC)
09/2021 - TODAY

Main activities and responsibilities: Security checks in applications and servers web
Acquired skills and achieved objectives: Team collaborations
Working as: freelance worker | Company sector: Engineering and design

Web Developer and Software Engineer
ASSOCIAZIONE PARALLELO
Computer science, data processing and acquisition
CESENA (FC)
01/2021 - TODAY

Main activities and responsibilities: Developing an e-commerce platform used by local fair trade group. Activities space from Front-End to Back-End. Architectures used: Cloud, Linux. Python, PostgreSQL, HTML5 WAI-ARIA compatible and CSS3.
Acquired skills and achieved objectives: Continuous integration, improve customer interaction
Volunteer activities | Company sector: Engineering and design

Creator,Head Developer
CONDENSO.INFO
Education, training, research and development
CESENA (FC)
05/2017 - TODAY

Main activities and responsibilities: Head Developer, R&D, Content Management
Acquired skills and achieved objectives: Reviewer, Use of a Web Framework based upon Haskell Functional Programming Language, Communication and Writing Skills
Working as: freelance worker | Company sector: Marketing/Communication

Creator, Head Developer, Marketing, Customer Service
VIMLY.INFO
Computer science, data processing and acquisition
CESENA (FC)
07/2017 - 03/2024

Main activities and responsibilities: Head Developer, Communication and Marketing, Customer Service, Content Management
Acquired skills and achieved objectives: Marketing, Advance Knowledge about Vim Editor, MailChimp
Working as: freelance worker | Company sector: Engineering and design

Information Security Expert, Penetration Tester
PQE
Computer science, data processing and acquisition
CESENA (FC)
07/2021 - 02/2023

Main activities and responsibilities: Vulnerability Assessment and Penetration Test
Working as: employee collaborator | Company sector: Information systems, EDP

Contract Professor
UNIVERSITÀ DI BOLOGNA
Computer science, data processing and acquisition
CESENA (FC)
09/2022 - 01/2023

Main activities and responsibilities: Lectures and workshops on the C programming language.
Acquired skills and achieved objectives: Explanations of content at different levels of understanding. Facilitating the learning of difficult topics.
Working as: freelance worker | Company sector: Human Resources

Information Security Consultant
ISTITUTO GIORDANO
Computer science, *data processing and acquisition*
BELLARIA (RN)
02/2018 - 02/2021

Main activities and responsibilities: Vulnerability Assessment and Penetration Testing
Acquired skills and achieved objectives: Development of a Security Scan Automation tool, Improve experience in findings Web Exploits and Vulnerabilities, Write Penetration Testing reports based on International Standard PTES.
Working as: employee collaborator | Company sector: Information systems, EDP

Web Developer
GAS MALATESTA
Computer science, *data processing and acquisition*
CESENA (FC)
09/2016 - 01/2021

Main activities and responsibilities: Front-End and Back-End Bug Fix
Acquired skills and achieved objectives: Maintenance of a Previously Developed Web Site
Volunteer activities | Company sector: Engineering and design

ICT Consulting and Proofreader
MAMASH EDIZIONI EBRAICHE - LUBAVITCH PUBLISHING HOUSE
Computer science, *data processing and acquisition*
(FC)
07/2019 - 03/2020

Main activities and responsibilities: ICT Consulting, Software Development
Acquired skills and achieved objectives: InDesign Software, InDesign Plugin Development
Volunteer activities | Company sector: Engineering and design

Cyber Security Analyst
YOROI
Computer science, *data processing and acquisition*
CESENA (FC)
06/2016 - 07/2017

Main activities and responsibilities: Special Project Cyber Security Analyst. Security Operation Center,Penetration Testing,Vulnerability Assessment,Developer.
Acquired skills and achieved objectives: Customer relationship,timely threads mitigation,broad overview about international cyber security world.
Employed as: intern/trainee - fixed-length contract | Company sector: Information systems, EDP

Undergraduate Internship
ABIZCO S.R.L
Computer science, *data processing and acquisition*
(BO)
02/2014 - 04/2014

Main activities and responsibilities: Reverse Engineering of malware,spyware,adware. Penetration testing. Computer Forensics.
Employed as: intern/trainee - undergraduate internship | Company sector: Engineering and design

other information

Currently employed: Yes
Registration at the employment office: Yes
Voluntary service: Yes
Work experience made during studies: Yes

ACADEMIC STUDIES

MASTER'S DEGREE
2014 - 2017
CERTIFIED TITLE

Alma Mater Studiorum - Università di Bologna
Scuola di Ingegneria e Architettura
ENGINEERING AND COMPUTER SCIENCE
LM-18 - 2nd level degree in Computer Science

Dissertation/thesis title: Towards Security-Aware Aggregate Computing | Dissertation/thesis subject: INGEGNERIA DEI SISTEMI SOFTWARE ADATTATIVI COMPLESSI | Thesis supervisor: VIROLI MIRKO | Dissertation/thesis keywords: Computing Trust Security Distribute Software

Age at graduation: 24 | Official duration: 2 years
Final degree mark: **110/110**
Graduation date: 16/03/2017

BACHELOR'S DEGREE
2011 - 2014
CERTIFIED TITLE

Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
SCIENZE E TECNOLOGIE INFORMATICHE
L-31 - 1st level degree in Computer Science

Dissertation/thesis title: Finestre di vulnerabilità e pacchetti software | Dissertation/thesis subject: RETI DI CALCOLATORI | Thesis supervisor: D'ANGELO GABRIELE | Dissertation/thesis keywords: Security Vulnerability Linux NVD Forensics

Age at graduation: 22 | Official duration: 3 years
Final degree mark: **94/110**
Graduation date: 11/12/2014

TECHNICAL CERTIFICATE
CESENA
2011

Industrial Vocational School
BLAISE PASCAL , CESENA (FC)
School-leaving examination mark: **100/100**
Kind of secondary school diploma: Italian secondary school diploma

OTHER POSTGRADUATE STUDIES

2020 - 2021

PortSwigger Academy
PortSwigger Ltd.
(United Kingdom)
Completion of 82% of the total workshops.
Duration: 14 months

TRAINING COURSE
2017

Top Performer
ScottHYoung
(Canada)
A teaching class by Cal Newport and Scott Young. It teaches you how to deeply understand your career and then develop the kind of career capital you need to become the best at what you do.
Duration: 4 months

TRAINING COURSE
2016

Learning on Steroids
ScottHYoung
(Canada)
A course to learning how to learn.
Duration: 4 months

TRAINING COURSE
2015

Learning How to Learn: Powerful mental tools to help you master
McMaster University & University of California
(United States of America)
I have learned techniques used by experts in art,music,literature,math,science,sports,and many other disciplines. I have also learned about how the brain uses two very different learning modes and how it encapsulates information. Other topics covered were illusions of learning,memory techniques,dealing with procrastination,and best practices shown by research to be most effective in helping you master tough subjects.
Duration: 4 months

TRAINING COURSE
2014

Cryptography I
Stanford University
(United States of America)
This course covered the theory and practice of cryptographic systems. Topics included symmetric encryption,data integrity,public-key encryption, and key exchange. The course emphasized
the correct use of these primitives. Certificate:
https://mega.nz/#!XtBCECZI!nNNYukbK_JXd_ZSIBijxAW1qhNZ4qJmxw9jMGMMM9iI
Duration: 3 months

ADVANCED TRAINING COURSE
2008 - 2018

CeSeNA Security Group Active Member
Alma Mater Studiorum - Università di Bologna
In-depth university group. Theory, practical exercises and participation in international competitions (CTF Jeopardy and Attack Defense)

INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Presentation Software: Web, Console, Classic (PowerPoint & Co) | **Spreadsheets:** Scripting, Functions | **Web Browser:** Scripting (Greasemonkey & Co), Security Enhancement, Command Line, Web Console | **Word Processors:** Scripting, InDesign, VIM, REGex

COMPUTER PROGRAMMING	**Integrated development environments (IDE):** VIM, VisualStudioCode | **Markup languages:** HTML | **Programming languages:** Assembly x86 , AWK , C* , Haskell , Java , JavaScript, TypeScript , Lua , Perl, CSS3, LaTeX, TeX , Python 2.* 3.* , Ruby , Unix shell - bash, ksh, zsh & Co | **Web Programming:** PHP, Python, Haskell
SYSTEMS AND NETWORKS MANAGEMENT	**Network architecture:** Security | **Operating systems:** Unix, RedHat, Linux, Windows
DATA MANAGEMENT	**DBMS:** SQL (Oracle, MySQL, SQLite, PostgreSQL) NoSQL
GRAPHICS AND MULTIMEDIA	InkScape, InDesign, Illustrator, GIMP

PROFESSIONAL ACCOLADES AND AWARDS

AWARD / SCOLARSHIP
20/09/2008

Riconoscimento Roberto Ruffilli

CONFERENCES AND SEMINARS

CONFERENCES
28/10/2017

Vimly: Learning VIM in your spare time , Online
Exhibition of the Vimly project at a German Linux Group

CONFERENCES
2017

VIM mind Beginner's Mind , S.P.R.I.T.E , Cesena

TEACHING ACTIVITIES

LESSONS/LECTURES
2022

Alma Mater Studiorum , Dipartimento di Informatica - Scienza e Ingegneria (Cesena)
Professore a contratto
C Programming Language (Lab)

LESSONS/LECTURES
2017

Alma Mater Studiorum , Dipartimento di Informatica - Scienza e Ingegneria (Cesena)
CeSeNA Security Trainer
Lectures to university group on Computer Security

LESSONS/LECTURES
2016

Alma Mater Studiorum , Dipartimento di Informatica - Scienza e Ingegneria (Cesena)
CeSeNA Security Trainer
Lectures to university group on Computer Security

LESSONS/LECTURES
2015

Alma Mater Studiorum , Dipartimento di Informatica - Scienza e Ingegneria (Cesena)
CeSeNA Security Trainer
Lectures to university group on Computer Security

LESSONS/LECTURES
2014

Alma Mater Studiorum , Dipartimento di Informatica - Scienza e Ingegneria (Cesena)
CeSeNA Security Trainer
Lectures to university group on Computer Security

ADDITIONAL INFORMATION

Since childhood, I have cultivated and pursued many passions, which have left me with knowledge and experiences that I still carry in my heart and mind. Spanning many interests has allowed me to see the world from different and new perspectives, constantly changing like through a kaleidoscope. The more you learn, the more you realise how much more there is to know. I thank the fundamental love for research, reading, learning.