



Alessio Falai

SOFTWARE DEVELOPER · ARTIFICIAL INTELLIGENCE STUDENT

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Education 📖



Alma Mater Studiorum - University of Bologna

M.S. IN ARTIFICIAL INTELLIGENCE · COMPUTER ENGINEERING

Bologna, Italy
October 2019 - Now

Grade -
Thesis -

Python Prolog Scala Spark MiniZinc/Z3



Florentina Studiorum Universitas - University of Florence

B.S. IN COMPUTER SCIENCE

Florence, Italy
October 2016 - October 2019

Grade 110 cum laude / 110
Thesis Refinement of a Python library to perform OCR on identity documents

C Java MySQL Python



I.T.S. Tullio Buzzi

HIGH-SCHOOL DIPLOMA IN INFORMATION AND COMMUNICATIONS TECHNOLOGY

Prato, Italy
September 2011 - July 2016

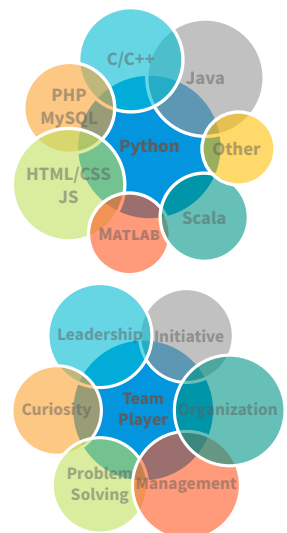
Grade 100 / 100
Thesis Implementation of a C++ holographic experience

C C++ Java PHP MySQL Javascript HTML CSS

Skills 👤

TECHNICAL

Programming Python, Java, C, C++, Scala, MATLAB, Prolog
Libraries Qt, OpenCV, Django, SciPy (NumPy, Pandas, ...), SciKits (scikit-learn, scikit-image, ...), Spark
Tools Bash, Git, Docker, \LaTeX , Jupyter
Web HTML, CSS, Javascript, jQuery, PHP, REST API, MySQL, Wordpress



INTERPERSONAL

Languages Italian, English
Capabilities Project planning, Project management, Teamwork, Leadership, Organization, Initiative, Curiosity, Problem solving
Hobbies Photography, Travelling, Food culture, Cuisine

PREFERENCES

Likings Computer vision, Data science, Declarative programming
Dislikings Web development, .NET framework, C# programming language

Experience

Quid Informatica S.p.A.

PYTHON DEVELOPER · PART TIME

Sesto Fiorentino, Florence, Italy

August 2020 - September 2020



Project Refinement of a text classification model and implementation of specialized extraction algorithms to parse OCR results

Achievements Trained a text classification model to categorize financial documents, using fastText

Python OpenCV Flask Tornado Gunicorn SpaCy fastText Azure Cognitive

Quid Informatica S.p.A.

PYTHON DEVELOPER · FREELANCE

Sesto Fiorentino, Florence, Italy

February 2020 - June 2020



Project Development of 3 production-grade Python micro-services working in banking environments, to classify and extract text from identity documents

Achievements Implemented NER (Named Entity Recognition) techniques to parse raw OCR results, using spaCy

Python OpenCV Flask Gunicorn SpaCy Tesseract Google Vision ABBYY OCR.Space Azure Cognitive

QI-Lab S.r.l.

PYTHON DEVELOPER · FREELANCE

Sesto Fiorentino, Florence, Italy

June 2020 - October 2019



Project Identity documents OCR library development

Achievements Implemented edge detection and text detection techniques to improve OCR results, using OpenCV

Python OpenCV Django Tesseract Google Vision ABBYY

QI-Lab S.r.l.

PYTHON DEVELOPER · STAGE

Sesto Fiorentino, Florence, Italy

March 2019 - May 2019



Project Identity documents OCR library development

Achievements Implemented a custom image binarization algorithm, using OpenCV

Python OpenCV Django Tesseract

Continental S.p.A.

PYTHON DEVELOPER · FREELANCE

Fauglia, Pisa, Italy

January 2019 - September 2019



Project Manually operated visual inspection digitalization

Achievements Development of a production-grade modular GUI working in industrial settings, using Qt

Python Qt

EasyClaims.eu · Pro Claims S.r.l.

PHP DEVELOPER · FREELANCE

January 2018 - March 2018



Project Insurance claims video verification interface

Achievements Gained some real-world knowledge about developing production software, using agile kanban techniques

PHP MySQL

Develer S.r.l.

PYTHON DEVELOPER · STAGE

Campi Bisenzio, Florence, Italy

June 2015



Project Barcode handling GUI design and deployment

Achievements Gained insights about company environments and software design principles

Python Qt

Websites

tognonishop.com

WEBSITE ADMINISTRATOR · FREELANCE

April 2020 - Now

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Project Fashion (shoes) e-commerce website

Wordpress Woocommerce

studio54italy.it

WEBSITE ADMINISTRATOR · FREELANCE

March 2020 - Now



Project Textile catalog website

Wordpress Woocommerce

**loscoiattolofirenze.it**

WEBSITE ADMINISTRATOR · FREELANCE

March 2020 - Now

Project Fashion (clothes) e-commerce website

Wordpress Woocommerce

walterquiet.com

WEBSITE ADMINISTRATOR · FREELANCE

December 2018 - Now

*Project* Photography presentation website

Wordpress Squarespace Woocommerce Leadpages Deadline Funnel Kajabi Kartra

Challenges**DOMESTIC**2015 **Finalist**, RoboCup Junior Italia

Malpensa Fiere, Italy

2015 **Finalist**, OIS - Olimpiadi di Informatica a Squadre (6th edition)

University of Bologna

Other info**ITALIAN JOB MARKET**

Si autorizza il trattamento delle informazioni contenute nel curriculum in conformità alle disposizioni previste dal d.lgs. 196/2003.

Si dichiara altresì di essere consapevole che, in caso di dichiarazioni non veritiere, si è passibili di sanzioni penali ai sensi del DPR 445/00 oltre alla revoca dei benefici eventualmente percepiti.