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■ falai.alessio@gmail.com | 😭 alessiofalai.it | 🖸 Wadaboa | 🛅 alessio-falai



Alma Mater Studiorum - University of Bologna

Bologna, Italy

M.S. IN ARTIFICIAL INTELLIGENCE · COMPUTER ENGINEERING

October 2019 - Now

Grade Thesis

Python Prolog Scala Spark MiniZinc/Z3

Florentina Studiorum Universitas - University of Florence

Florence, Italy

October 2016 - October 2019



B.S. IN COMPUTER SCIENCE Grade 110 cum laude / 110

Refinement of a Python library to perform OCR on identity documents Thesis

C Java MySQL Python

I.T.S. Tullio Buzzi Prato, Italy

HIGH-SCHOOL DIPLOMA IN INFORMATION AND COMMUNICATIONS TECHNOLOGY

September 2011 - July 2016

Grade 100 / 100

Thesis Implementation of a C++ holographic experience

C C++ Java PHP MySQL Javascript HTML CSS

Skills 4

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, 上下X, 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



Quid Informatica S.p.A.

Sesto Fiorentino, Florence, Italy

PYTHON DEVELOPER · PART TIME August 2020 - September 2020

QUID

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

CR result

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

June 2015

March 2020 - Now

QUID ICT FOR BUSINESS

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. Sesto Fiorentino, Florence, Italy

PYTHON DEVELOPER • FREELANCE June 2020 - October 2019

TOILAB

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. Sesto Fiorentino, Florence, Italy

Python Developer · Internship March 2019 - May 2019

QILAB

Project Identity documents OCR library development

Achievements Implemented a custom image binarization algorithm, using OpenCV

Python OpenCV Django Tesseract

Continental S.p.A. Fauglia, Pisa, Italy

Python Developer · Freelance January 2019 - September 2019

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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.

PYTHON DEVELOPER · INTERNSHIP

PHP Developer · Freelance January 2018 - March 2018

easy

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.Campi Bisenzio, Florence, Italy



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

Achievements -

Wordpress Woocommerce

studio54italy.it

studio 5/.

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Website Administrator · Freelance

Project Textile catalog website

Achievements -

Wordpress Woocommerce

loscoiattolofirenze.it

(LO SCOIATTOLO) WEBSITE ADMINISTRATOR · FREELANCE

March 2020 - Now



Fashion (clothes) e-commerce website Project Achievements

Wordpress Woocommerce

walterquiet.com WEBSITE ADMINISTRATOR · FREELANCE

December 2018 - Now



Project Photography presentation website

Achievements

Wordpress Squarespace Woocommerce Leadpages Deadline Funnel Kajabi Kartra



DOMESTIC

2015 Finalist, RoboCup Junior Italia Malpensa Fiere, Italy

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

University of Bologna



OPEN SOURCE SELECTION

Tablut player University of Bologna

Al board game player November 2019 - December 2019

• Project → Al player which uses iterative deepening beam *minimax* search with alpha-beta pruning and transposition tables

• Technologies → Python, Qt

Quoridor player University of Florence Al board game player June 2017 - September 2017

Project → Al player which uses a modified version of the jump point search algorithm

Technologies → Java

Holum I.T.S. Tullio Buzzi

A TRUE HOLOGRAPHIC EXPERIENCE

December 2015 - July 2016

- Project \rightarrow Multimedia hardware and GUI which aim at emulating an hologram

- Technologies \rightarrow C++, SFML, sfeMovie, OpenGL, assimp
- Tools \rightarrow Myo Armband, Leap Motion

Other info 1

ITALIAN JOB MARKET

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