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
- Grade: -

Bologna, Italy
October 2019 - Now

Florentina Studiorum Universitas - University of Florence
B.S. IN COMPUTER SCIENCE
- Grade: 110 cum laude / 110

Florence, Italy
October 2016 - October 2019

I.T.S. Tullio Buzzi
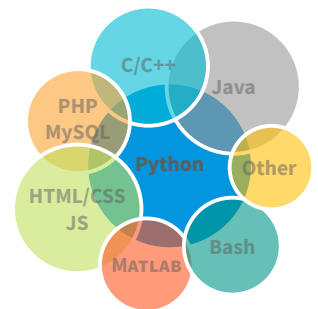HIGH-SCHOOL DIPLOMA IN INFORMATION AND COMMUNICATIONS TECHNOLOGY
- Grade: 100 / 100

Prato, Italy
September 2011 - July 2016

Skills

TECHNICAL

Programming   Python, Java, C, C++, MATLAB, Prolog
Technologies   Qt, OpenCV, Django
Tools   Bash, Git, Docker, LaTeX
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

Experience

Quid Informatica S.p.A.
PYTHON DEVELOPER · INTERNSHIP (3 MOS) · FREELANCE (5 MOS)
- Project → Identity documents OCR library development
- Technologies → Python, OpenCV, Django, Tesseract, Google Vision, ABBYY

Sesto Fiorentino, Florence, Italy
March 2019 - October 2019

Continental S.p.A.
PYTHON DEVELOPER · FREELANCE
- Project → Manually operated visual inspection digitalization
- Technologies → Python, Qt

Fauglia, Pisa, Italy
January 2019 - September 2019

walterquiet.com
WEBSITE ADMINISTRATOR · FREELANCE
- Project → Photography presentation website
- Technologies → Wordpress, Squarespace, Woocommerce, Leadpages, Deadline Funnel, Kajabi, Kartra

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December 2018 - Now

EasyClaims.eu · Pro Claims S.r.l.

PHP DEVELOPER · FREELANCE

January 2018 - March 2018

- Project → Insurance claims video verification interface
- Technologies → PHP, MySQL

Develer S.r.l.

Campi Bisenzio, Florence, Italy

PYTHON DEVELOPER · INTERNSHIP

June 2015

- Project → Barcode handling GUI design and deployment
- Technologies → Python, Qt

Challenges ☰

DOMESTIC

| 2015 | **Finalist**, RoboCup Junior Italia | *Malpensa Fiere, Italy* |
| 2015 | **Finalist**, OIS - Olimpiadi di Informatica a Squadre (6th edition) | *University of Bologna* |

Projects </>

OPEN SOURCE SELECTION

Tablut player

University of Bologna

AI BOARD GAME PLAYER

November 2019 - December 2019

- Project → AI player which uses iterative deepening beam *minimax* search with alpha-beta pruning and transposition tables
- Technologies → Python, Qt, aima-python

Quoridor player

University of Florence

AI BOARD GAME PLAYER

June 2017 - September 2017

- Project → AI 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 → Multimedia hardware and GUI which aim at emulating an hologram
- Technologies → C++, SFML, sfeMovie, OpenGL, assimp
- Tools → Myo Armband, Leap Motion

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.