



# Alessio Falai

SOFTWARE DEVELOPER · SOFTWARE ARCHITECT

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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 Technologies

Python, Java, C, C++, MATLAB

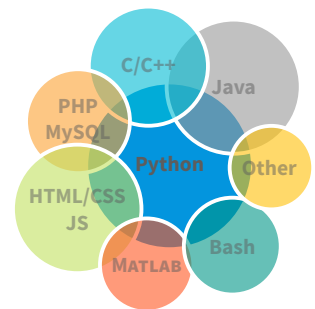
Qt, OpenCV, Django

#### 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

December 2018 - September 2019



## EasyClaims.eu · Pro Claims S.r.l.

PHP DEVELOPER · FREELANCE

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

January 2018 - March 2018



## Develer S.r.l.

PYTHON DEVELOPER · INTERNSHIP

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

Campi Bisenzio, Florence, Italy

June 2015

## Challenges

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### DOMESTIC

2015 **Finalist**, RoboCup Junior Italia

Malpensa Fiere, Italy

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

University of Bologna

## Projects

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### OPEN SOURCE SELECTION

#### Tablut player

AI BOARD GAME PLAYER

University of Bologna

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

AI BOARD GAME PLAYER

University of Florence

June 2017 - September 2017

- Project → AI player which uses a modified version of the *jump point search* algorithm
- Technologies → Java

#### Holum

A TRUE HOLOGRAPHIC EXPERIENCE

I.T.S. Tullio Buzzi

December 2015 - July 2016

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

## Other info

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### 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.