# 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: -

**Florentina Studiorum Universitas - University of Florence**

B.S. IN COMPUTER SCIENCE

*Florence, Italy*
*October 2016 - October 2019*

• Grade: 110 cum laude / 110

**I.T.S. Tullio Buzzi**

HIGH-SCHOOL DIPLOMA IN INFORMATION AND COMMUNICATIONS TECHNOLOGY

*Prato, Italy*
*September 2011 - July 2016*

• Grade: 100 / 100

## Skills 👤

### TECHNICAL

| | |
|---|---|
| **Programming** | Python, Java, C, C++, MATLAB |
| **Technologies** | Qt, OpenCV, Django |
| **Tools** | Bash, Git, Docker, LaTeX |
| **Web** | HTML, CSS, Javascript, jQuery, PHP, REST API, MySQL, Wordpress |
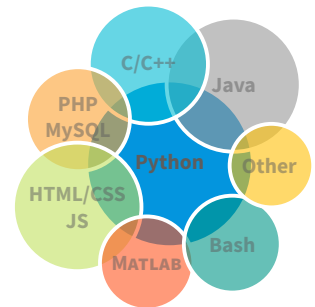


### INTERPERSONAL

| | |
|---|---|
| **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)

*Sesto Fiorentino, Florence, Italy*
*March 2019 - October 2019*

• Project → Identity documents OCR library development
• Technologies → Python, OpenCV, Django, Tesseract, Google Vision, ABBYY

**Continental S.p.A.**

PYTHON DEVELOPER · FREELANCE

*Fauglia, Pisa, Italy*
*January 2019 - September 2019*

• Project → Manually operated visual inspection digitalization
• Technologies → Python, Qt

**walterquiet.com**

WEBSITE ADMINISTRATOR · FREELANCE

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*December 2018 - present*

• Project → Photography presentation website
• Technologies → Wordpress, Squarespace, Woocommerce, Leadpages, Deadline Funnel, Kajabi, Kartra

**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.