# Flavio **Cordari**

COMPUTER ENGINEER

*Rome, ITALY*

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*"If we knew what it was we were doing, it would not be called research, would it?" A. Einstein*

## **Edu**cation

**PhD Degree @ Università degli Studi La Sapienza**

*Rome, Italy*
*EQF level 8*
*2023 - Ongoing*

EARTH OBSERVATION

- Ongoing

**Master Degree @ Università degli Studi Roma Tre**

*Rome, Italy*
*EQF level 7*
*2013-2015*

COMPUTER ENGINEERING / SCIENCE

- Final Grade: 110/110

**Bachelor Degree @ Università degli Studi Roma Tre**

*Rome, Italy*
*EQF level 6*
*2010-2013*

COMPUTER SCIENCE / ENGINEERING

- Final Grade: 107/110

**B2 First @ Cambridge University English Assessment**

*Rome, Italy*
*CEFR Level C1*
*2022*
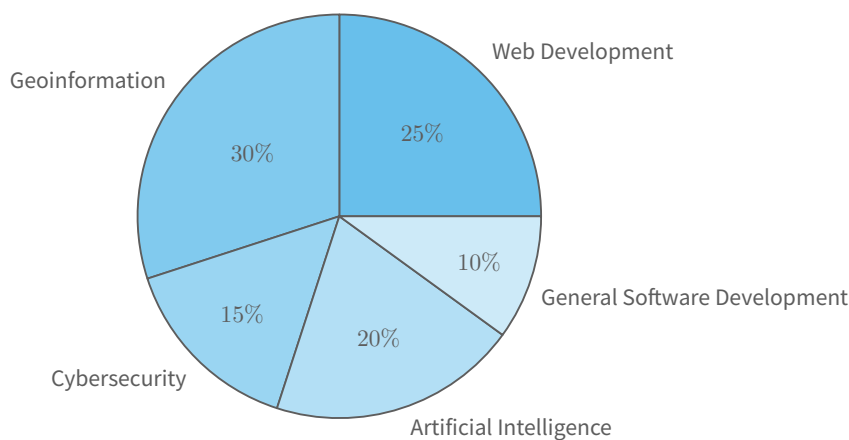
ENGLISH LANGUAGE

- Credential ID: B7683067

## **Mai**n Skills



Pie chart: Geoinformation 30%, Web Development 25%, General Software Development 10%, Artificial Intelligence 20%, Cybersecurity 15%

| | |
|---|---|
| **Most Used Programming Languages** | Python, Javascript, Matlab, PHP, Bash |
| **Most used AI Frameworks / Libs** | TensorFlow, Keras, PyTorch |
| **Most used Web Frameworks / Libs** | React, Vue, NodeJS & NPM Ecosystem |
| **Most used DBMSs / Libs** | MySQL, MongoDB, GraphQL |
| **Most used Scientific Frameworks / Libs** | numpy, pandas, Matlab |
| **Most used DevOps Tools / Others** | GIT, Docker, Jupyter, Linux/MacOS/Windows, Clouds/Suites/Services, LaTeX |
| **Professional / Soft Skills** | Agile-oriented, Continuous Learning, Teamwork, Open-mind, Responsibility, ...more |

## **Exp**eriences

**Research Fellow @ E-geos**

*Rome, Italy*
*Nov 2023 - Now*

RESEARCH

- Contribution in ESA CCI Land Cover Validation
- Development of Automatic methods of classification of land use and its temporal variations, focusing on forest areas

**Research Fellow @ Università degli Studi La Sapienza**

*Rome, Italy*
*May 2023 - Now*

RESEARCH

- Contribution in HydroGNSS data processors
- Software development in Earth Observation field

### Research Fellow @ Università degli Studi Tor Vergata

RESEARCH

- Satellite data processing and distribution on cloud architectures
- Software development in Earth Observation field

*Rome, Italy*
*Apr. 2022 - Mar. 2023*

### Developer @ Università degli Studi Tor Vergata and Sapienza

SOFTWARE DVELOPMENT / DATA PROCESSING

- Contribution in HydroGNSS simulation software - Processors orchestration

*Rome, Italy*
*Apr. 2022 - Oct. 2022*

### Teacher @ Boolean Careers

WEB / FULL-STACK

- Base and intermediate web development teachings

*Remote / Milan, Italy*
*Jul. 2020 - Apr. 2022*

### Developer @ Ordine degli Ingegneri della Provincia di Roma

WEB / FULL-STACK

- Web application development & data analysis
- Editorial collaboration
- IT consultancy

*Remote / Rome, Italy*
*Feb. 2020 - Now*

### Penetration Tester @ Public Administration (*protected by privacy agreements*)

SECURITY

- Black Box approach
- Privilege escalation attempts & Network analysis

*Remote / Rome, Italy*
*Sep. 2020 - Nov. 2020*

### Developer @ Next Adv

WEB / BACK-END

- DevOps automation software development
- Microservices architecture
- IT consultancy

*Remote / Rome, Italy*
*Jul. 2020 - Sep. 2020*

### Developer @ Poshmap Srl

WEB / MOBILE / BACK-END

- API and data storage software development
- Microservices architecture
- IT consultancy

*Rome, Italy*
*Mar. 2018 - Jan. 2020*

### Developer / Software Consultant @ ACI Informatica

WEB / MOBILE / FULL-STACK

- Map Widget (web)
- Mobile App
- IT consultancy

*Rome, Italy*
*Aug. 2017 - Apr. 2018*

### Software Analyst @ Ministero della Giustizia

SOFTWARE ANALYSIS

- DGSIA member
- Vendor's software quality assurance
- IT consultancy

*Rome, Italy*
*Feb. 2017 - Jul. 2017*

### Developer @ Translated.net

WEB / FULL-STACK

- Contribution and bug hunting on internal web-based OMS
- IT consultancy

*Rome, Italy*
*May. 2016 - Jan. 2017*

### Visiting Scholar @ University of Alberta

RESEARCH / DATA ANALYSIS

- Design and implementation of algorithms for big data analysis
- Writing "Building Language Models over a Web-Scale Corpus" (master thesis)

*Edmonton, Alberta (CA)*
*Oct. 2015 - Mar. 2016*

## Extracurricular Activities

### R&D Manager @ YourSEA

STARTUP CO-FOUNDER

- Development of services for maritime tourism

*Rome, Italy*
*May 2022 - Dec. 2022*

### Self-Student @ Home

AI / CYBERSECURITY / ELECTRONICS / PSYCHOLOGY

- Continuous learning on different subjects

*Everywhere*
*Now*

# Registers

**Registration @ Ordine degli Ingegneri della Provincia di Roma** *Rome, Italy*

Information Engineering

-
*2018*

- State Certification Exam
- Registration number: A37666

# Awards

| | | |
|---|---|---|
| Jun. 2022 | **3rd Place**, Hackathon Copernicus Bari | *Bari, Italy* |
| May. 2022 | **1st Place local - 3rd Place international**, CASSINI Hackathon | *Rome, Italy* |
| Apr. 2021 | **1st Place**, Maker Fair Rome - The Big Hack Digital Edition Hackathon | *Remote, Italy* |
| Nov. 2019 | **Sea Protector**, Hack4Sea - Copernicus Hackathon | *Santa Severa, Italy* |
| Jun. 2018 | **2nd Place**, Web Marketing Festival Hackathon | *Rimini, Italy* |
| Mar. 2018 | **1st Place**, H{ACK}TML.it Hackathon | *Rome, Italy* |

# Writings

**Building Language Models over a Web-Scale Corpus** *UofA, Edmonton*

Thesis *Oct. 2015 - Mar, 2016*
- Detailed documentation about algorithms which extract relational data from a large dataset of web pages (the Internet Archive)