

Antonio Ercole De Luca

GITHUB <https://github.com/eracle>

SKYPE [ercole.deluca](https://www.skype.com/people/ercole.deluca) •

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Senior Software Developer with 5 years of experience Python and Java.

Mainly focused on Web Technologies and Data Mining, with special interest on concepts such as Data Clustering, Graph Analysis, Information Retrieval, Machine Learning and Web Scraping.

Github Projects:

linkedin: Scraping software aimed to visit as more pages of the linkedin users as possible for the purpose of gaining visibility. It uses Scrapy, docker, Selenium Webdriver and Python3.

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Education:

Bachelor's Degree (Laurea triennale)

Computer Science

[University of Pisa](https://www.unipi.it/), Italy

Thesis: Document classification using lexical and semantic resources.

(Catalogazione di libri tramite risorse di semantica lessicale)

Erasmus LLP Program

Facultad de Informática

[Universidad Politécnica de Valencia](https://www.upv.es/), Spain

Postgraduate Master's Degree (Laurea Magistrale), Business Informatics (Informatica per l'Economia e l'Azienda)

[University of Pisa](https://www.unipi.it/), Italy

Thesis: Applying Active Learning on Entity Linking.

([Algoritmi di Active Learning applicati al problema dell'Entity Linking Pruning](#)).

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Actual Skills:

Python3, Java, Groovy, C, Bash;
Git, PyCharm, Gradle;
docker, docker-compose, Amazon AWS, heroku, Ubuntu Server;
Django, DRF, Scrapy, Selenium Webdriver;
postgreSQL, NEO4J, elasticsearch, celery, redis;
CrowdFlower; BPMN, Petri Nets; TDD;
Anaconda, keras, tensorflow, scipy, scikit-learn, numpy, pandas,
annoy, spacy.

Working Experience:

- 2018** **Kiwicampus.com**
Berkeley, California
On site
Business Process Automation - Backend Software Developer

In charge to build the Integration platform with [Doordash Inc.](#)
django, postgres, celery, redis, postgres, heroku.
- 2018** **Decyde.io**
San Francisco, California
Remote
Python Software Developer

python, scrapy, scrapinghub.com, google-custom-search,
selenium.
- 2017** **Einhorn Manufaktur**
Berlin, Germany
Remote
Backend Software Developer

Backend REST APIs Developer and QA in a Team of five.
Python3, Django, Postgres, TDD.
- 2016** **Legalkite Ltd**
Zurich, Switzerland
Remote
Backend Software Developer

REST APIs, Data storages and Cloud infrastructure. Python3,
Django, Amazon AWS, ElasticSearch, Agile, TDD, Jira.

2015 **SpazioDati s.r.l.**
Pisa, Italy
On site
Internship/Thesis

Supervisors: Prof. [Paolo Ferragina](#), Doc. [Ugo Scaiella](#)

Development of an ETL process involving CrowdFlower and an Active Learning algorithm.

The outcome dataset was used to train a logistic regression model that replaced one of the steps of SpazioDati's proprietary Entity Linking system (SaaS): [Dandelion](#)

Tools used: Groovy, IntelliJ IDEA, WEKA, Gradle, Git and Ubuntu server.

2013 **Synthema S.R.L.**
Pisa, Italy
On site
Software Engineer

Design and implementation of Java modules for Crawling and Linguistic Analysis (Romanian, Japanese, Chinese and German), as part of the [CAPER](#) european project.

Publications **Semantic Crawling: an Approach based on Named Entity Recognition**

Proceedings of FOSINT-SI 2014

Antonio Ercole De Luca, Carlo Aliprandi, Giulia Di Pietro, Matteo Raffaelli, Tiziana Soru.

CAPER: Crawling and Analysing Facebook for Intelligence Purposes

Proceedings of ASONAM2014

Carlo Aliprandi, Antonio E. De Luca, Davide Gazzè, Mariantonietta N. La Polla, Giulia Di Pietro, Matteo Raffaelli, Andrea Marchetti, Maurizio Tesconi.

Languages:

English:	Fluent
Spanish:	Fluent
Italian:	Native

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