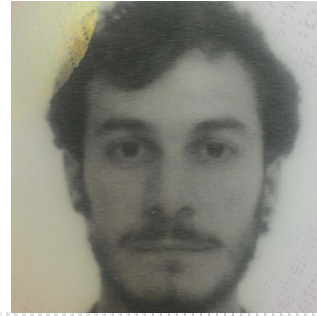


Antonio Ercole De Luca

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

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

E-MAIL eracle@posteo.eu



Software Developer from 2013, coming from the Java world, now Senior Python3 Software Developer.

Mainly focused on Web Technologies, Databases and Cloud Environments. I follow the entire data life-cycle: gathering, storage, retrievability and maintenance, with strong emphasis on software quality, Test Driven Development and Continuous integration.

During my career I also worked with Data Mining and Machine Learning, with special interest on concepts such as Data Clustering, Graph Analysis, Information Retrieval and Web Scraping.

Github Projects:

linkedin: Scraping software that collects users' data from the LinkedIn platform. It uses Scrapy, docker, Selenium Webdriver and Python3.

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);
110/110 - outstanding final marks.

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](#));
110/110 - outstanding final marks.

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Actual Skills:

Python3, Java, Groovy, C, Bash;
Git, PyCharm, Gradle;
docker, docker-compose, Ubuntu Server;
Amazon AWS, heroku, Google Cloud;
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

Amz Analytics
Singapore
Remote

Software Architect - Devops

Docker containerization from scratch and
Migration from digital ocean to google cloud;

python3, docker, docker-compose;
django, celery, redis, postgres;
Google: cloud SQL, Compute Engine, Storage.

2018

Trademark Pro
Canada
Remote

Data Scientist - Software Architect - Devops

Design and implementation from scratch of an
Image similarity search engine (MVP);

python3, docker, flask, keras, tensorflow,
scipy, numpy, annoy, postgres, on AWS (ec2, s3).

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

python3, 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, Databases (SQL+ NoSQL) 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](#)

Design of an ETL process using CrowdFlower and leveraging Active Learning techniques.

Training and evaluation of a Machine Learning Model (Logistic Regression) over the obtained dataset; the model was used as a data processing step into the SpazioDati's proprietary Entity Linking system (SaaS): [Dandelion](#)

Groovy, IntelliJ IDEA, WEKA, Gradle, Git and Ubuntu server.
- 2013** **Synthema S.R.L.**
Pisa, Italy
On site
Software Engineer

Java modules used for Crawling and Linguistic Analysis purposes (Romanian, Japanese, Chinese and German);
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