

Antonio Ercole De Luca

GITHUB <https://github.com/eracle>
SKYPE [ercole.deluca](https://www.skype.com/people/ercole.deluca) • **E-MAIL** eracle@posteo.eu



PROFILE

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.

EDUCATION

Bachelor's Degree (Laurea triennale)

Computer Science

University of Pisa, 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, Spain

Postgraduate Master's Degree (Laurea Magistrale),

Business Informatics (Informatica per l'Economia e l'Azienda)

University of Pisa, Italy

Thesis: Applying Active Learning on Entity Linking.

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

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.

.....

EXPERIENCE

- 2018** **Kiwicampus.com**
San Francisco, U.S.
Business Process Automation - Backend Software Developer
- Development of the Integration backend with Doordash Inc.
django, postgres, celery, redis, postgres, heroku.
- 2018** **Decyde.io**
San Francisco, U.S.
Python Software Developer
- 2017** **Einhorn Manufaktur**
Berlin, Germany
Backend Software Developer
- Backend REST APIs Developer in a Team of five.
Python3, Django, Postgres,TDD.
- 2016** **Legalkite Ltd**
Zurich, Switzerland
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
Internship - Supervisors: Prof. Paolo Ferragina, Doc. Ugo Scaiella
- ETL process Design and Implementation involving CrowdFlower
and an Active Learning algorithm.The produced a dataset was
used to train a logistic regression model that replaced the
Pruning phase of the proprietary Entity Linking system (SaaS) of
SpazioDati. Tools used: Groovy, IntelliJ IDEA, WEKA, Gradle, Git
and Ubuntu server.
- 2013** **Synthema S.R.L.**
Pisa, Italy
Software Engineer

Design and implementation of Java modules for Crawling and Linguistic Analysis (Romanian, Japanese, Chinese and German).

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.

GITHUB <https://github.com/eracle> **SKYPE** [eracole.deluca](https://www.skype.com/people/eracole.deluca) • **E-MAIL** eracle@posteo.eu