Antonio Ercole De Luca

GITHUB https://github.com/eracle
SKYPE ercole.deluca •
E-MAIL eracle@posteo.eu

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;
Anaconda, keras, tensorflow, scipy, scikit-learn, numpy, pandas, annoy, spacy.

Working Experience:

2018   **Trademark Pro**
Canada
Remote
Data Scientist - Software Architect - Devops

Image similarity search engine (MVP);
python3, docker, flask, keras, tensorflow,
scipy, numpy, annoy, postgres, on ec2 and 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

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

Antonio Ercole De Luca
GITHUB https://github.com/eracle **SKYPE** eracole.deluca **E-MAIL** eracle@posteo.eu