

Python & Web Developer

Python developer with **5 years of experience**, I have been working at a **cybersecurity** firm for 2 years. I have worked 3 years with **machine learning** techniques applied to **textual data** processing (NLP). I build **SaaS applications** in **Python** and **JavaScript**, but I also have experiences with Java, C/C++ and Perl.

Relevant Work Experience

Python & Web Developer

10/2020 — present

Cogiceo (Cybersecurity)

- **SaaS application** back-ends (**Python, Flask, Bottle, PostgreSQL, Java**)
 - workflow management system for an Android application automatic analysis service
 - application for collaborative edition of audit reports
 - data extraction from a Windows Active Directory database
 - complete HR solution
- **front-end (Javascript, Bootstrap, jQuery)**
 - interactive map of servers and domains of a Windows Active Directory
 - dashboard development (wireframes, integration)
- **project management (git, GitLab)** : writing and sorting issues, reviewing merge requests
- in charge of code base maintenance (Python 2.7, 3.6+) : bugs, features
- automated integration **tests (Pytest, Unittest, Selenium)**

Computational Linguist (Natural Language Processing)

Strasbourg University

10/2017 — 9/2020

- coreference resolution **neural network (Python, TensorFlow)** for French
- **web site (Django)** to extract annotated data and perform annotation format conversion
- **database (SQL)** for statistical research on coreference
- **semi-automatic annotation (Python)** of English and French corpora
- **graphical application (Java)** for quantitative coreference analysis
- research on linguistic and statistical modelisation of coreference (**Pandas, Matplotlib**)

Teaching Assistant (Bachelor and Master degrees)

1/2018 — 6/2020

Strasbourg University

- courses on **Python** programming, **web development**, **Linux** command line, statistics with **R**...
- courses on linguistics, grammar, syntax, language history and evolution...

Developer and Annotator

2/2017 — 8/2017

LILPa Laboratory (Research Unit 1339), Strasbourg

internship for the Democrat project from the French National Agency (ANR)

- **web application (JavaScript)** for corpus annotation with coreference data

Formation

Computational Linguistics (Master degree)

2017

Strasbourg University

Thesis: end-to-end rule-based coreference resolution system in Python

French Linguistics (Master degree)

2017

Strasbourg University

Classical studies — Greek and Latin (Bachelor degree)

2015

Strasbourg University


Philosophy (General Academic Studies Degree)


2005


Marc Bloch University (Strasbourg 2)

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Skills

Programming

Python, JavaScript

Experiences with : Java, C/C++, Go, Perl

SQL – PostgreSQL, SQLite3

Pytest, Unittest, Selenium

Web development

Flask, Django, Bottle

HTML/CSS, Bootstrap, jQuery

Nginx

Burp

Tools

Git, GitLab, GitHub

PyCharm (Pro), Vim, IntelliJ

Docker

Latex

Data

Matplotlib, Pandas, Numpy

TensorFlow, Weka, Scikit-learn

Platform


100% Linux (Debian, Ubuntu, Fedora)

Bash, and some sysadmin skills

Languages

 French: native

 English: professional

 German: beginner

Scientific publications

9 peer-reviewed papers in scientific journals and international conferences,
8 communications in workshops and seminars, among them **6 are in English**.