Marc DAMIE

Computer Science Stud.

- 10/11/1998
- Compiègne, France
- marc.damie@etu.utc.fr
- My Git*: Lab ⚷ or Hub ○
- My Website

About me

Fifth-year Computer Science Student. After my Master's degree, I would like to do a PhD in privacy-preserving ML (e.g. Federated Learning).

Skills

C|C++ • R • Scylla (CQL) • MongoDB

Docker • LaTeX• SQL • Redis

Git • Python • Django|Flask • Elastic

Other technologies: XML, XSLT, ASM, Scilab, UML, php, Bash, HTML|CSS, JS

Languages

French ★ Mother tongue

English ★ Fluent (C1)
TOEFL iBT score = 105 out of 120

Spanish ★ Advanced (B2)

Russian and Chinese ★ Beginner

References

- eSport
- Biking
- Setting the world (or Comp. Sci.) to rights around a pint

More about me

On my website, you can find more information about other projects and the courses I have taken

Education

2016 ➜ 2021	Master's Degree in Computer Science	Compiègne

University of Technology of Compiègne (UTC)
Specialized in: Data & IA. Current GPA: 5/5
Minor: Philosophy, Technology and Cognition

2016	French scientific Baccalauréat	Vaujours, France

Obtained with highest honors

/	Completed MOOCs	Remote

Cryptography I by Dan Boneh, RGPD by the CNIL, C Prog. by OC

Work experience

2/20 ➜ 7/20	Research intern	University of Twente

Internship in the Services and CyberSecurity group. I worked on attacking *Searchable Encryption* using *statistical* methods.
First-author paper currently in review.

`Python` `nltk` `pandas` `numpy`

8/19 ➜ 2/20	Python Back-end intern	Gatewatcher

I worked on the intrusion detection system Trackwatch (qualified by the French national cybersecurity agency ANSSI)
My missions were: Back-End., CI improvement and Data Engineering

`Python` `ElasticSearch` `Django` `Docker` `Flask` `Redis` `JS`

3/20 ➜ now	IT consultant	Freelance

Mission: Producing MOOC-like contents for a programming training.

`Python` `JS`

Volunteering in non-profit associations

2/18 ➜ now	Volunteer then treasurer of a non-profit ISP	Rhizome

Rhizome is a non-profit ISP providing events (like Imaginarium Festival) and subscribers with internet access. Promotion of open-source and free-culture movement.

`Réseaux` `WiFi` `Bash` `Docker` `Python` `Flask`

2017 ➜ 2018	Communication and Partners Manager	TEDxUTCompiègne

Organization of the third edition of TEDxUTCompiègne

Other involvements

2017 ➜ now	Student representative in the board of directors	UTC - Compiègne

University projects

Big Data	Simhash for Scylla (CQL): ○	UTC

Open-source implementation of Charikar's SimHash. Used for crawling purposes. This implementation can be chosen for big data projects because it uses Scylla (NoSQL DB).

`Python` `Scylla` `Cassandra Query Language`

Sys Admin	Introductory courses on system and network administration	UTC

Courses on PostgreSQL administration, DNS, and Linux (SSH, Web server). Open-source content.

`PostgreSQL` `Docker` `Bind9` `XLST` `Nginx`

Network Sci.	Graphs of Web entities structures	UTC

I made graphs of Web entities structures highlighting strategies for occupation of the Web territory. [One graph with analysis]

`Python` `Gephi`