Marc DAMIE
Computer Science Student in the University of Technology of Compiègne (UTC)

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I am a **third-year Computer Science student** in the University of Technology of Compiègne (UTC) ; member of Sorbonne University Alliance. I am passionate about Data and Mathematics. Thanks to projects and student associations I am involved in, I have little experiences in several IT fields : networks, systems, data analysis, image processing, etc.

I am currently looking for a **6-month development internship** to start my fourth year of studies as well. I would love to find this internship in Montréal, QC. This internship have to start in August or September.

SKILLS

Each line is sorted from the most to the least mastered skill :

Programming	**Python**, **C**, Prolog, Scilab, R, **SQL**, PHP, JavaScript
Python libraries	**Numpy**, NLTK, **Matplotlib**, Scikit-learn, PyQt, OpenCV, BeautifulSoup, Pandas
SysAdmin	**PostgreSQL**, Docker, BIND9
Markup languages	LaTeX, XML, XSLT, HTML, CSS
OS	Ubuntu, Debian, Windows
Other	**Git**, **Gephi**, Assembleur, SSE, Bash

EDUCATION

2016-2021	Engineering diploma **in Computer Science**
	University of Technology of Compiègne (UTC) - Alliance Sorbonne Université
	Equivalent to a Master's degree
2016	French Scientific Baccalauréat obtained with *Honors*
2016	**First Certificate in English** from the University of Cambridge
	Passed thanks to the British Council

KEY COURSES

Mathematics

- ✔ Numerical analysis, LINEAR ALGEBRA, Least squares, interpolation, etc.
  `Scilab`
- ✔ Statistical methods for research and engineering, STATISTICS, Estimation, tests, etc.
  `R`
- ✔ Problem solving and logic programming, LOGIC, Predicate calculus, A*, etc.
  `Prolog`

Comp. Sci.

- ✔ Algorithmics et data structures, COMPLEXITY, Sorting, tree, graph, etc.
  `C`
- ✔ Sensors for intelligent systems, IoT, LiDAR, Image processing, etc.
  `Python` `ROS` `OpenCV` `Turtlebot` `LiDAR`
- ✔ Architecture of a processing element, X86-64, Assembly, SSE, Interfacing C, etc.
  `Assembleur` `SSE` `VHDL` `C`
- ✔ Automatic data processing, SYSTEMS, Database, Web, etc.
  `LaTeX` `HTML/CSS` `PHP` `UML` `SQL` `Unix`

More details and completed courses : HERE

OTHER INVOLVEMENTS

Since 2017	**Student representative** in the board of directors of the University of Technology of Compiègne (UTC)
Since 2017	**Student representative** in the Comp. Sci. Department of the University of Technology of Compiègne (UTC)

</> University projects

Introductory courses on system and network administration
Spring 2018

⎘ Project Wiki (in french)
Courses on ⎘ PostgreSQL administration , ⎘ DNS , and Linux (SSH, Web server). Open-source content.

PostgreSQL | BIND9 | XLST | NGINX | Scenari

Sudoku Solver and more
Spring 2018

 gitlab.utc.fr/hoangquo/ia02-sudoku
Features : generate sudoku grids (with several difficulty levels), solve grids automatically and manually, import and export grids.

Prolog

Graphs of Web entities structures
Fall 2018

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

Gephi(Graph Viz) | Hyphe | Python

Robotics project
Winter 2018

 gitlab.utc.fr/damiemar/sy31-projet-tp
Information fusion using several sensors in order to realize a specific task with a robot.

ROS | Python | Numpy | OpenCV | Caméra | Turtlebot | LiDAR

🚀 Volunteering in non-profit associations

Today February 2018	**Member then Treasurer, Rhizome (non-profit ISP)**, Compiègne, France ⎘ Rhizome is an non-profit Internet Service Provider (member of the ⎘ FFDN) : › Provides events, like ⎘ Imaginarium Festival , with WiFi used for contactless payment › Provides our subscribers with internet access › Organizes conferences about open-source and free-culture movement Network | WiFi | Docker | Bash | GnuCash
February 2018 February 2017	**Manager of Communication and Sponsorships, TEDxUTCompiègne**, Compiègne, France Organization of the third TEDxUTCompiègne conference Adobe Illustrator | Adobe Photoshop
Today December 2018	**IT Manager, Escap'UT**, Compiègne, France Student association organizing escape games in our Uni. My tasks : › Website and reservation system development › Enigmas development using computers, Raspberries Pi and sensors PHP | Wordpress | Python | etc.

🎒 Work experience

August 2017 July 2017	**Intercultural internship (Volunteering), The Missing Sock**, Cambridge, UK Volunteering in a *social enterprise (The Missing Sock)* organizing weddings : cooking, cleaning, hospitality, bar-tending, maintenance of green spaces,…
2017	**MOOC Instructor, IFCAM (Crédit Agricole),** France Examiner for an IFCAM (Crédit Agricole) MOOC about **digital writing**

🌐 Langues

›	French ★	*Mother tongue*	› Chinese ★	*Beginner*
›	English ★	*Fluency*	› Russian ★	*Beginner*
›	Spanish ★	*Independant speaker*		