

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 (**equivalent to the canadian bachelor last year**) in the University of Technology of Compiègne (UTC); member of the 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

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 <i>Equivalent to a Master's degree</i>
2016	French Scientific Baccalauréat obtained with <i>Honors</i> <i>Équivalent du DEC</i>
2016	First Certificate in English from the University of Cambridge Passed thanks to the British Council

KEY COURSES

Mathematics	<ul style="list-style-type: none">✓ Numerical analysis, LINEAR ALGEBRA, Least squares, interpolation, etc. <div>Scilab</div>✓ Statistical methods for research and engineering, STATISTICS, Estimation, tests, etc. <div>R</div>✓ Problem solving and logic programming, LOGIC, Predicate calculus, A*, etc. <div>Prolog</div>
Comp. Sci.	<ul style="list-style-type: none">✓ Algorithmics et data structures, COMPLEXITY, Sorting, tree, graph, etc. <div>C</div>✓ Sensors for intelligent systems, IoT, LiDAR, Image processing, etc. <div>Python ROS OpenCV Turtlebot LiDAR</div>✓ Architecture of a processing element, x86-64, Assembly, SSE, Interfacing C, etc. <div>Assembleur SSE VHDL C</div>✓ Automatic data processing, SYSTEMS, BDD, Web, etc. <div>LaTeX HTML/CSS PHP UML SQL Unix</div>

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) : <ul style="list-style-type: none">> 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 : <ul style="list-style-type: none">> 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 <i>social enterprise</i> (<i>The Missing Sock</i>) 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			