Médéric Fourmy

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Education

ISAE-SUPAERO	Toulouse, France
Msc 2 in Robotics, Data Science and Operationnal Research	*Sept. 2014 - 2018*
Lycée Gay-Lussac	Limoges, France
Advanced undergraduate course in Mathematics, Physics and Chemistry	*2011 - 2014*
Lycée Gay-Lussac	Limoges, France
Scientific baccalaureate	*2008 - 2011*

Work experience

Activus Services — Limoges, France
Data science intern — *2011 - 2014*
- Computer network activity prediction with Machine Learning using Python and Spark
- Developed a French job market analysis tool including a web Scraper

Sfara — Hoboken NJ, USA
Full stack web developer and data analyst intern — *Sept. 2016 - Mars 2017*
- Participated to the development of the analytics web site on the back-end (Flask) and front-end (Vuejs)
- Designed and implemented a metrics monitoring board being updated in real-time with Web Sockets
- Created internal tools, including an automatic weekly report generation script and a SQL query generation interface

Projects

Third year innovation project — Toulouse, France
Automated car fast trajectory generation — *Oct. 2017 - Mars 2018*
- Doing this
- Doing that

Student aerospace challenge — Toulouse, France
Manned suborbital vehicle propulsion system design — *Sept. 2016 - Mars 2017*

Preliminary design of a solid propulsion motor for a manned suborbital vehicle. Worked as part of the Supaero Propulsion team and presented our results during the Suborbital Day at the Paris Air and Space Museum. Won the Airbus Group Price.

Second year research project — Toulouse, France
Computational Fluid Dynamics — *Sept. 2016 - Mars 2017*

Assessment of the influence of upstream flow distortions on the efficiency of a reversible cooling fan thanks to numerical computation for Safran-Technofan

IT

Programming	Python, Javascript, C/C++, Java, Matlab
Datascience	Scikit-learn, Pyspark, Tensorflow, Keras
DevOps	Git, Docker, Jenkins, Kafka
Web	Flask, Vuejs, HTML, CSS
Office automation	Latex, MS Office, Weasyprint

Languages

French ● ● ● ● ●   English ● ● ● ● ◐   Portuguese ● ● ○ ○ ○

Extra curricular activities

Associations	DirectoR of the Supaero music club, robotics club
Music	bass, guitar, harp, improvisation
Sport	Badminton