

Mathieu Gaborit

MSC STUDENT — HACKER — CONSULTANT

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“The secret of getting ahead is getting started.”

Education

MSc. in Acosutics

Le Mans, France

UNIVERSITÉ DU MAINE

2015 –

- 1st Year Application Project: *Coupling of FEM & DGM methods*
Advisor: O. Dazel
- 2nd Year Application Project: *Modelling uncertainties at interfaces for poroelastic materials*
Advisors: O. Dazel & P. Göransson (KTH, SE)

BSc Engineering Science – Acoustics specialisation

Le Mans, France

UNIVERSITÉ DU MAINE

2011 – 2014

- Ranked as “good”
- 3rd Year Application Project: *Modes in rigid and lined ducts*
Advisor: W. Bi

A Level – Scientific Track

La Roche sur Yon, France

LYCÉE SAINT JOSEPH

2008 – 2011

- Majors : Mathematics & Engineering Science
- Minors : Latin & Music
- Awarded “very good” grade

Skills

Programing Python, Perl, GNU Octave/Matlab, C/C++, LaTeX

Tools GNU/Octave, Jupyter, Git, GNU/Linux

Languages French, English

Experience

Self-employed

Le Mans, France

CONSULTANT

Oct. 2014 –

- Architecture and data processing
- Design of a customer-tracking solution and product recommendation engine for a e-commerce website (not implemented).

Makershop

Le Mans, France

TECHNICAL ADVISOR FOR 3D PRINTING (MISSION)

Oct. 2014 – Feb. 2016

- Testing, analysis, benchmarking & repairs on machines
- Shows & exhibitions, advisory & customer-specific expertise.
- Coordination with several international industrial partners.

CCI du Mans et de la Sarthe

Le Mans, France

CONSULTANT

Juin 2014 - Sep. 2014

- Setup of a Fablab.
- Specifications writing to develop a collaborative prototyping space.
- Coordination with several industrial & institutional partners.

Extras

HAUM – Hackerspace Au Mans

Le Mans, France

CO-FOUNDER

Sep. 2011 –

- Setup of the student-oriented hackerspace.
- Legal creation of the organization in 2012.
- President from Nov. 2012 to Nov. 2015.
- Community development, projects, conferences & several events.
- Website: haum.org

24 Heures du Code

Le Mans, France

ORGANISER

2014 – 2016

- Submitted problems :
 - 2014** A Firefox OS application on transportation open-data (partner: Mozilla Foundation)
 - 2015** Urban Flow : opendata-based arena for artificial intelligences
 - 2016** SartheDev API : unusual exploration of open datasets
- Planning and *in-situ* event management

Sample.Cat

Le Mans, FR — Sheffield, UK

CO-FOUNDER

Dec. 2015 –

- Analysis of social media streams after social crisis.
- Hybrid Project: statistical analysis, machine learning, sociology
- Several conferences :
 - HAUMTalks #3 – *#ParisAttacks : A pretext to sentiment analysis on social media (fr)*
 - PSES-HSF 2016 – *How Twitter activity shows sentiments of a shocked population?*
- Innovative techniques to gather, store and analyse large datasets.
- Website: sample.cat

Presentations

Coding: Best Practices & Tools

Stockholm, Sweden

MWL LUNCH SEMINAR

Juin 2016

- Tools to ease development & maintenance of a scientific codebase.

Modelling iand errors in science

Le Mans, France

HAUMTALKS #4

2016

- Discussion about the main tools of scientific thought.

#ParisAttacks : A pretext to sentiment analysis on social media

Le Mans, France

HAUMTALKS #3

2016

- Early introduction of the sample.cat project aiming at analysing sentiment at a population-scale after Paris terrorist attacks in November 2015

Git Workshop

Le Mans, France

RUCHE NUMÉRIQUE

2015

- Introduction to the tool and 3h workshop.

Opendays : Opendata

Le Mans, France

RUCHE NUMÉRIQUE

2015

- Discussion about the progression of the opendata trend in Le Mans.

PostSummer RSync

Le Mans, France

HAUMTALKS #2

2015

- Presentation of the work done to setup a fablab.

Participations

2016	Staff HAUM , Festival D 2016 — Project: Pong 1D	Nantes, France
2016	Organiser , 2 nd Global Game Jam in Le Mans	Le Mans, France
2016	Scientific Committee (partner: Sarthe Développement) , 24H du Code	Le Mans, France
2015	Staff HAUM , Festival Teriaki — Project: dHAUM	Le Mans, France
2015	Organiser , 1 st Global Game Jam in Le Mans	Le Mans, France
2015	Scientific Committee (partner: SETRAM) , 24H du Code	Le Mans, France
2014	Staff HAUM , Siestes Teriaki — Projects: Pong 1D & PianoStairs	Le Mans, France
2014	Scientific Committee (partner: Mozilla Foundation) , 24H du Code	Le Mans, France

2015

Olivier Dazel, **M.G.**, Gwénaél Gabard, (2015). **Couplage entre la MEF et la DGM avec ondes planes pour l'acoustique.**
In: *S04 Nouveaux résultats et modèles en interaction fluide-structure*. 22ème Congrès Français de Mécanique. Lyon, France.

2016

Olivier Dazel, **M.G.**, Gwénaél Gabard, (2016). **Couplage des méthodes MEF/DGM ondes planes.** In: *Session Modèle et Modélisation numérique en vibroacoustique*. CFA/VISHNO. Le Mans, France.