

GIFFARD Nicolas
ngiffard3@gatech.edu
[linkedin.com/in/nicolas-giffard](https://www.linkedin.com/in/nicolas-giffard)
17 rue Dailly
92210 ST CLOUD
+33(0)622278591

Master of Science in Mechanical Engineering
Georgia Institute of Technology
Master of Science in Mechanical and Industrial Engineering
Arts et Métiers ParisTech

OBJECTIVE

Looking for a VIE position as Mechanical Engineer in North America

EDUCATION

- 2017-2018 **GEORGIA INSTITUTE OF TECHNOLOGY** *METZ (FRANCE) & ATLANTA (GA, USA)*
Master of Science in Mechanical Engineering (GPA: 4.0/4.0)
Courses: Continuum Mechanics, Inelastic Deformation of Solids, Acoustic Waves, Waves and Transducers, Rotordynamics, Fracture and Fatigue, Principle of Management for Engineers
- 2015-2018 **ARTS ET METIERS PARISTECH (Ranking 32 out of 1093 students)** *ANGERS & METZ (FRANCE)*
Master of Science in Mechanical and Industrial Engineering
Courses: Mechanics of Solids, Manufacturing Processes, Fluid Mechanics, Computer Science, Management, Lean Manufacturing
- 2013-2015 **PREPARATORY CLASSES – LYCEE JULES FERRY (Ranking 108 out of 2207 students)** *VERSAILLES (FRANCE)*
Two years training for a national exam to access the French “Grandes Écoles”
Courses: Engineering Sciences, mathematics, physics

PROFESSIONAL EXPERIENCE

- 2018 **MICHELIN MOTORSPORT** *CLERMONT-FERRAND (FRANCE)*
6 MONTHS Manage a project about the measurement of the tire wear during Formula-E races
Developed Skills: Project management from beginning to end including the budget, competition environment constraints, team work, communication, relationships with suppliers, measurement methods, Procedure
- 2017 **MICHELIN** *CLERMONT-FERRAND (FRANCE)*
2 MONTHS Computer simulation to predict tires' performance using finite elements
 - Propose and applied a strategy to predict more precisely Breaking Energy tests and apply it
 - Communicate with other departments to share methods and results→ New simulation methods and a tutorial with a protocol to follow for newcomers or new analysts
Developed Skills: Finite elements methods with CATIAv5 and Michelin internal tools, team work, autonomy, oral communication and presentation, self-confidence, Linux environment, Procedure
- 2017 **PCM – ARTS ET METIERS PARISTECH** *ANGERS (FRANCE)*
1 SEMESTER School project with a partner: High Pressure Machining Assistance for Stainless steel
 - Material analysis: Chemical attacks, microstructure
 - Define a plan to find the best machining conditions regarding: tool wear, chips length, time**Developed Skills:** Analytical thinking, organization, communication, professionalism, Lean manufacturing
- 2016 **DEVILLE ASC** *BAUGE (FRANCE)*
1 MONTH Worker in the automotive industry
 - Assembly, weld and injection positions
 - Quality & Lean Manufacturing**Developed Skills:** Quality methods, team working, Lean Manufacturing

PROJECTS

- 2016 – 2017 **“MASH” – SHELL ECO-MARATHON TEAM - ARTS ET METIERS PARISTECH** *ANGERS (FRANCE)*
Involved in the mechanical and composite fields
 - Maintenance of the car
 - Build a carbon composite frame which supports the back wheel and the motor to lighten the car**Developed Skills:** Composite process and thinking, team working, CATIA

SKILLS

- Languages** **French:** Native speaker
English: Fluent (TOEIC 940/990; **GRE:** A:158/170, Q:155/170, AR:3/6)
German: Intermediate
- Computer** CATIA, Ansys, Matlab, Microsoft Office

INTERESTS

- Hobby** Motorbike, 15 years of practice in off-road riding, maintenance for usual motor parts
- Sports** Rowing (7 years of practice) and road cycling (average 3000km/year)