



Juliette Caulier

25 years old - French

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Driving license – Personal Car
Available immediately
Mobility: **France & International**

MATERIALS ENGINEER

Polymers – Composites – Ceramics – Metals – CAD – Eco-design – TOEIC 940

Diplomas

- ▶ September 2016
Materials Engineering Diploma
Polytech Lille – Villeneuve d'Ascq
Plasturgy – Composites – Metallurgy – Ceramics
- ▶ June 2013
Degree in Physics
ULCO – Calais
With honours
- ▶ June 2012
DEUG in Physics and Chemistry
ULCO – Dunkerque
With honours

Languages

- ▶ English
Fluent - **TOEIC: 940/990**
- ▶ German
Moderate

Computer Science

- ▶ Pack Office
- ▶ CATIA V5
- ▶ ANSYS Workbench
- ▶ CES Edupack
- ▶ SimaPro

Interests

- ▶ Ballet (16 years) and contemporary dancing (17 years)
- ▶ Regional & national contests (16 years): 1st and 2nd prizes

Professional Experiences

- ▶ Mars – July 2016 – **Research Engineer**
Unité Matériaux et Transformations – Villeneuve d'Ascq
[Joint research centre of materials science]
 - Subject: Characterize the structure and thermomechanical properties of an innovative polymer: Influence of the biaxial stretching process
 - Missions:
 - Study a bio-based polymer supplied by a Dutch company to optimize the future bottles' production
 - Moulds plaques from pellets and tests their properties
 - Write reports and made oral presentations in English
 - Technics: Hydraulic press, DSC, X-ray diffraction bench, biaxial stretching device, tensile tests machine, laser cutting
- ▶ September 2015 – January 2016 – End-of-studies project in biomaterials
Polytech Lille & UMET – Villeneuve d'Ascq
 - Subject: Characterize the fracture energy of dental resins in buccal conditions
 - Missions:
 - Make thin tensile tests specimens from the resins
 - Test them at ambient and buccal conditions and discuss the results
 - Technics: Optical microscopy, laser cutting, tensile tests machine
- ▶ Mai – July 2015 – **Engineer Assistant**
W.I Polymers – Dublin – Ireland
[Research based manufacturer and distributor of glues, adhesives and sealants]
 - Missions:
 - Carry out a bibliographic study
 - Perform adhesion tests according to customer needs
 - Technics: Tensile tests machine, manual testing
- ▶ July 2014 – Discovery of the company environment internship
ArcelorMittal Mardycq – Dunkerque
 - Missions:
 - Discover the professional world's rules
 - Know the production process and follow security protocols
- ▶ 2010 – 2013 – Temporary assignments
ADECCO – Dunkerque & Furnes (Belgium)
 - CREAPAN - Furnes - Packer
 - DFDS Seaways - Loon-Plage - Stopover Agent