

Mostafa Badreldin



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Date of birth: 21/05/1994

REFERENCES

Mr. Jérémie Lacombe

Saint-Gobain research Paris
Binders and Polymers group
jeremie.lacombe@saint-gobain.com

COMPUTER SKILLS

Office (Word, Excel VBA,
PowerPoint, Publisher)

Windows, Apple, Linux

Simulation software (COMSOL)

LANGUAGES

English Proficient (TOEIC: 985)
French Proficient
German Beginner (Goethe A2: H,
S & M)
Arabic Mother tongue

OTHER EXPERIENCES

Delivery boy, at Deliveroo

Chemistry tutor, UCBL

English tutor, at the "Service Commun
d'Enseignement des Langues" of UCBL

INTERESTS AND HOBBIES

Sports

Acting member of the ECPM sports
association team 2018-2019, Scuba
diving certification « Padi Advanced
Open Diver »

Travel

Camping and hiking

Boy scout at Holy Family School

Humanitarian volunteer

With Holy Family School and Resala
association

Polymer sciences engineer and PhD student in LCPO team 3

STUDIES

2017-2020

European school for Chemistry, Polymers and Materials, Strasbourg
Engineering diploma (M2), polymers science specialization

2017

Lyon 1 Claude Bernard University, Lyon
Bachelor's in chemistry

2013-2015

Lyon 1 Claude Bernard University, Lyon
First year of common health study

PROFESSIONAL EXPERIENCES

Apprenticeship
1 year

Saint-Gobain Research Paris, cross business research center offering expertise
and solutions for all the group's customers, Aubervilliers

Developing new polymer foams

- State of the art and patents
- Formulation and process development of appropriate foaming systems to specifications

Engineering internship
2019
16 weeks

Michelin, French tire company, Clermont-Ferrand

Formulation of epoxy adhesive systems

- Study and characterization of interesting resins
- Presenting results and bibliographic research in a clear and comprehensive manner for internal communication

Internship
2018
11 weeks

The Dow Chemical Company, leader in the chemical industry, Erstein

At DOW France S.A.S's polyurethane production site

- Be an active part of the production team and learn the operators' daily routines and task
- Participate in projects to better the work conditions

Internship in a research lab
2017
7 weeks

Institut des Sciences Analytiques (ISA), public research facility, Lyon

With "Techsep" team on « The synthesis and characterization of monolithic stationary phases for miniaturized separative methods »

- Elaboration of the synthesis of the monolithic silica
- Characterization of their morphology and their surface chemistry

Internship
2016
4 weeks

GlaxoSmithKline (GSK), leader in the pharmaceutical sector, Cairo

« Quality control laboratory »

- Understanding the working organism of laboratory
- Learning different analytical techniques

TECHNICAL SKILLS

Synthesis

Polymers (chain-growth, step-growth, dispersion, emulsion), **organic, inorganic**, strong theoretical background and practical experience

Physical chemistry

Rheology, DSC, IR, RMN, multiple techniques of chromatography & spectrophotometry, Xray, SEM practical and theoretical background

Formulation

Professional experience in formulation

Mechanical

DMA, stress-strain analysis, practical and theoretical background

PROJECTS

2018 - 2019
8 months

ECPM, Industrial Mission: Finding more "Eco responsible" materials to produce yoga mats, team of 9 students and 3 supervisors

- Managing a project on short term while keeping up with the elaborated timetable
- Helping a startup innovate and surpass its technical and technological limits