

AGUSTINA CABRERA

Materials Engineer

LinkedIn profile: <https://www.linkedin.com/in/agustina-cabrera/>

KEY SKILLS

- Experience in internal report writing.
- Highly skillful with Microsoft Office.
- Programming skills using Matlab.
- Data analysis skills using Origin Pro.
- 2D and 3D CAD skills using Solid Works.
- Finite element analysis skills using Abaqus and COMSOL Multiphysics.
- Fluent in English and Spanish.



October – 14 - 1993



Gold Coast, QLD, Australia



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ACADEMIC BACKGROUNDS

- Materials Engineering degree awarded by the Faculty of Engineering of “Universidad Nacional de Mar del Plata” (UNMdP) March 2012 – December 2018.
- Modelling and simulation of materials course awarded by Juan Morán engineer, UNMdP July 2017– December 2017.
- Biomaterials course awarded by Dr. Gustavo A. Abraham, Dra Josefina Ballare and Dra Silvia Ceré, UNMdP July 2017 – December 2017.
- Prepare to work safely in the construction industry (White Card). White card number: 10658937. April 2019.

PROFESSIONAL EXPERIENCE

- *“Institute of Research in Materials Science and Technology (INTEMA) – “Applied electrochemistry” area, Argentina. August 2017 / December 2018, unpaid intern.*
 - Synthesized and analysed properties of a potential material to be used as a buffer layer in a solar cell.
 - I used spray pyrolysis as a processing method. I modified its parameters to increase its efficiency.
 - Instructed myself on laboratory instruments.
 - Prepared technical reports for the presentation of results.
 - Oral presentation about the research carried out on the possible material for solar cells.
- *“Institute of Research in Materials Science and Technology” (INTEMA) – “Polymeric Matrix Compound” (CoMP) area, Argentina. January 2017 / June 2017, unpaid intern.*
 - Programmed using Matlab software the necessary cycled for processing method “Filament Winding” of composite materials.
 - Modified the machine for optimize the variables on “Filament Winding” processing.
 - Prepared and analysed properties of epoxy resins.
 - Analysed the properties of tubes composed of carbon fiber and epoxy resin.
 - Instructed myself on laboratory instruments and working tools.
 - Prepared technical reports for the presentation of results.