

# Miriam Piero Achkar

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## Mechanical Engineer/ Physics Researcher

### EDUCATION

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<b>2019 - Present</b> <i>Dunkirk - France</i>	<b>University of the Littoral Opal Coast (ULCO)</b> <i>PHD student in physics</i>
<b>2017- 2018</b> <i>Mansourieh &amp; Hadath - Lebanon</i>	<b>Saint Joseph University (USJ) &amp; Lebanese University</b> <i>Master's degree in renewable energy research</i> Final year project: "The estimation of turbulent natural convection losses of a Concentrated Solar Power receiver"
<b>2012- 2017</b> <i>Kaslik - Lebanon</i>	<b>Holy Spirit University of Kaslik (USEK)</b> <i>Bachelor Degree in Mechanical Engineering</i> Final year project: "Sensitivity analysis for different design parameters of an air to air heat exchanger"
<b>2012</b> <i>Ashrafieh - Lebanon</i>	<b>Secondary School of the Daughters of Charity</b> <i>Lebanese Baccalaureate in General Science</i>

### WORK EXPERIENCE

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<b>Dec 2018 – Aug 2019</b> <i>Beirut, Lebanon</i>	<b>EXPRESS-DESIGN &amp; TIBO Canada</b> <b><u>Sales Support Engineer</u></b> Quotes and Sales support Engineer of Plastic Injection Molds
<b>Jan 2017 – Feb 2017</b> <i>Beirut, Lebanon</i>	<b>AGEC</b> <b><u>Mechanical Engineer Intern</u></b> Take-off of a building to be able to form the bill of quantity (BOQ) using AutoCAD and Excel software
<b>Jan 2015 – Feb 2015</b> <i>Beirut, Lebanon</i>	<b>WTA MEP ENGINEERS (Wissam Tawil &amp; Associates S.A.L)</b> <b><u>Mechanical Engineer Intern</u></b> Calculation of the cooling and heating loads for residential and non-residential buildings using AutoCAD, Excel, and HAP software.

### SPECIAL SKILLS

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**Software:** AUTOCAD, HAP, ANSYS, EQUEST, CATIA, CADKEY, Microsoft Excel, Microsoft Word, PowerPoint

**Languages:**  
**Arabic:** Mother language  
**English:** Fluently  
**French:** Fluently

### ACTIVITIES AND INTERESTS

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Sports (Boxing, Swimming), travelling, learning languages