**Sami**

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# Education

* **Bachelor of Science in Chemical Engineering** *(American University of Sharjah, UAE CGPA: 3.15/4.00) - 2013-2017*
* **Engineer-In-Training** (EIT qualification): *Passed the Fundamentals of Engineering Exam (Chemical). - April 10th, 2017*
* **Dubai National School**: *High school diploma - 2010-2013*

# Internships

Interned at Dubai Natural Gas Company (DUGAS) for the month of July in 2017. Tasks/Responsibilities included:

* Analysis of Process Flow Diagrams (PFDs) and Piping and Instrumentation Diagrams (PNIDs).
* Chemical analysis at the laboratory using Gas Chromatography (GC).
* Performed mass balances on a distillation column and calculated reactor conversions.

# Research & Projects

* **Treatment of Produced Water using Microbial Desalination Fuel Cells:**

*Developed an alternative to produced water desalination for the company "Dana Gas" over one year of work. This project also won the Sharjah Sustainability Award (SSA).*

* **Synthesis and Characterization of Flexible Implantable Electrodes Using Conductive Polymers:**

*Worked on a guided research project for one year pertaining to the synthesis of flexible conductive polymer strips. A conference paper was published on this project.*

* **Improving Electric Generators: Chemical and Acoustic Control:**

*Collaborated with individuals from different disciplines on a project to improve the common electric generator, particularly in reducing emissions and noise during operation.*

# Awards

* **Sharjah Sustainability Award (SSA):**

*Recipient of the Sharjah Sustainability Award (SSA) in the category of "Best Applied Scientific Research".*

* **Undergraduate Student Research Competition (UGSRC):**

*Finalist in the UAE Fifth Undergraduate Student Research Competition (UGSRC) in the category of "Chemical and Petroleum Engineering Projects".*

# Publications

* **International Conference on Composite Science and Technology (ICCST):**

*Published a joint conference paper at the ICCST as the second author, despite being the only student in a team of three PhD holders.*

# Skills

* **Computer Skills:**

*Knowledge in MS Office, ASPEN HYSIS/PLUS, MATLAB, PSPICE, Maple, & COMSOL.*

* **Language Skills:**

*Fluent in written and spoken English and Arabic.*

# References

*References available upon request.*