

DANY STORMBORN

951.284.5404
dany@careertuners.com



linkedin.com/in/dany
Corona,CA

QUALITY ENGINEER, HONORS STUDENT

- Utilizes research, analysis, and problem solving abilities to develop optimal solutions and improve processes -

- **Improves Workflow:** Reduced system energy costs by 8% and improved impeller RPM speed by over 30% by leading a 3-member intern team to optimize plant condensate recovery system at *Khal Moro*.
- **Problem Identification & Rectification:** Analyzed and solved recurring phosphate concentration problem in the steam drum equipment at *Meereen Fertilizers Ltd* after conducting root cause analysis.
- **Analysis & Testing:** Tested and analyzed raw materials to finished products by using anti-wrinkle and de-sizing agents and by testing multiple parameters including viscosity and light diffraction.

Process Improvement
Root Cause Analysis
Chemical Analysis Testing

Equipment Troubleshooting
Quality Analysis
Safety Protocol Compliance

MATLAB, Polymath, PRO/II, C++
AutoCAD, COMSOL, UniSIM
DMAIC Six Sigma Methodology

EDUCATION

BS, Chemical & Biomolecular Engineering *University of Pentos, Essos* 2015

- **Courses:** Technology Management & Economics, CAD & Analysis, Chemical & Biomolecular Lab, Process Economics & Analysis, Process Dynamics & Control, Chemical Reaction Engineering, Separation Processes, Thermodynamics, Cryogenics and Low-Temperature Processes.

EXPERIENCE

Operations Engineer Intern *at Meereen Fertilizers Ltd.* 2014

- Analyzed and solved a recurring phosphate concentration problem in the steam drum equipment. Offered position in Graduate Trainee program after presenting findings and recommendations to 3 plant managers.
- Augmented production process by 5% by conducting root cause analysis. Developed customized solution for senior teams and engineering staff.

Production Engineer Intern *at Drogo Laboratory Ltd.* 2013

- Set testing guidelines for new products by analyzing chemicals from raw materials to finished products. Tested multiple parameters including viscosity, light diffraction, solid-liquid content, etc.
- Established a strong market presence by analyzing competitor products to ensure product was up to standard.

Production Engineer Intern *at Khal Moro Corporation Ltd.* 2012

- Reduced system inefficiency by 10% by creating a technical report on inefficiencies in pump impeller speeds, piping insulation, and heat transfer in re-boiler coils.

COMMUNITY INVOLVEMENT

- Coordinated fire performances at multiple events. Collaborated with multiple chapters as Music Chair of MSA.
- Led volunteers through recreational activities for the orphaned. Won several sponsorships by networking strategically.

RATIONALE

Challenge: While Dany was getting interviews after speaking with recruiters at career fairs, online, her resume was getting her no hits.

Action: My first step was to “translate” the responsibilities in Dany’s resume into accomplishments. After speaking with her, it became obvious that Dany went above and beyond other interns, drawing on her natural leadership skills to impact the bottom line at all the companies she worked with. I made sure to highlight her initiative, drive, and leadership skills. Lastly, I concluded with the exceptional extracurricular work Dany did.

Result: Dany’s new resume helped her land an engineering job at a well-established company within a few months.

Dany Stormborn

Westeros Citizen

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951.284.5404

This is the draft Dany was
previously using to apply for jobs.

OBJECTIVE

To obtain a full time position related to chemical engineering in the engineering industry.

EDUCATION

Bachelor of Science, Chemical and Biomolecular Engineering

June 2015

University of Pentos, Essos

Overall GPA: 3.26

WORK EXPERIENCE

Operations Engineer, Meereen Fertilizers Ltd.

07/2014 - 09/2014

- Inspected and solved excess phosphate dosing problems in the ammonia plant steam drum and presented operational improvement solutions to management.
- Designed process equipment such as pumps and heat exchangers for a proposed Dichloromethane plant using PRO/II.

Production Engineer, Drogo Laboratory Ltd.

06/2013 - 08/2013

- Measured product specifications and tested quality of chemicals in the raw material, process and finished product stages in the Quality Control Lab.
- Tested quality of various de-sizing and anti-wrinkle agents of textile competitors.
- Operated plant reaction vessels, ammonia storage tanks and control valves using programmable logic control.

Process Engineer, Mormont Corporation

12/2011 - 01/2012

- Observed and worked on the design of PFD's and P&ID's.
- Calculated sizing of separators and pipelines.
- Worked alongside engineers in determining distillation column sizing and heat exchanger ratings for Shell.

LEADERSHIP EXPERIENCE

Production Engineer, Khal Moro Corporation Ltd.

06/2012 - 08/2012

- Oversaw a team that proposed cost-efficient methods to improve the plant condensate recovery system which reduced costs by 8%.
- Maintained safety standards and managed plant machinery documents.

Social Worker, Family Services Foundation, Meereen

07/2007 - 07/2011

- Led volunteer groups to organize and supervise academic and physical activities for underprivileged, disabled and orphaned children at Meereen's main orphanage.
- Taught basic carpentry and pottery to underprivileged children.
- Improved leadership and interpersonal skills, and cultivated a teamwork ethic.

SKILLS

- Proficient in Prezi, Microsoft Word, Excel and PowerPoint.
- Familiar with AutoCAD, COMSOL, UniSIM, MATLAB, Polymath, PRO/II and C++.
- Proficient in English, Urdu and Hindi.

ACTIVITIES

- Member, Westeros Institute of Chemical Engineers (AIChE) 2008 - Present
- 2nd Place, pyro-performance, Engineering Society of Essos Nationwide Talent Contest 2013
- 1st Place, Inter-College Magical Pets Competition Award 2011