

Jill Jobseeker

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Profile

Chemical Engineering Student capable of working independently with minimum supervision and committed to providing high quality service to every project, with focus on health, safety and environmental issues. Professional, capable and motivated individual who consistently performs in challenging environments.

Education

B.S. Chemical Engineering, Expected: May 2020
South Dakota School of Mines and Technology

Experience

Engineering Co-op:

May – Dec 2018

Cargill, Spiritwood, ND

- Designed piping and water purification system for sub-compartment humidification
- Tested sub-compartment humidification system
- Assisted in daily process problem solving and with process optimization projects

Research Assistant:

May – Aug 2017

SDSM&T Chemical Engineering Department, Rapid City, SD

- Assisted professor with research on optimizing the process for using wood biomass to produce ethanol
- Conducted analysis of samples and recorded data utilizing MS Excel

Office Assistant:

Sep 2015 – May 2016

SDSM&T Chemical Engineering Department, Rapid City, SD

- Answered phones and filed office documents
- Prepared packets for campus visits by prospective students and their parents

Relevant Projects

Sub-Compartment Humidification, Cargill, Spiritwood, ND

- Designed a \$300,000 piping and water purification system for Sub-compartment humidification at a Cargill malt production facility
- Presented recommendations to plant management and corporate officials which were approved

Alternative Fuel Vehicle, SDSM&T, Rapid City, SD

- Member of team focused on running and maintaining a hydrogen-powered fuel cell for a one-passenger car to compete at a national student competition
- Lead non-chemical engineering team members in optimizing fuel cell

Relevant Skills

- Visotec
- AutoCAD
- EES
- Aspen Plus
- Visual Basic
- MatLab

Professional Development

- American Institute of Chemical Engineers (AIChE) 2018 – present
- Society of Women Engineers, Treasurer 2018 – present
- Student Association, Junior Senator 2017
- Mines Advantage 50% completion 2017
- Alpha Omega Epsilon Professional Engineering Sorority 2016 – present