

Mariah R. Stark
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OBJECTIVE

To obtain a position in mechanical engineering technology

EDUCATION

Bachelor of Science in Mechanical Engineering Technology, May 2020
State University of New York College at Buffalo

SKILLS

Computer Skills: SOLIDWORKS, AutoCAD, Inventor, C++, ANSYS

Skilled Trades: Welding, Lathe Machining, Vertical Mill Machining, Engine Services (Diagnostics, Disassembly, and Reassembly)

RELATED EXPERIENCE

GEMCOR

Mechanical Engineering Intern

West Seneca, New York
9/2019 - present

- Built 3D prototype model of a new wing fastening part
- Engraved using an Epilog Laser
- Organized OEM documents for company archives
- Compiled final assembly drawing packages for customer reference

Praxair, Inc.

Mechanical Engineering Intern – Air Separation Units

Tonawanda, New York
6/2019 - 8/2019

- Updated component cost database for engineering reference tool
- Performed structural analysis using ANSYS, including limit load analysis, plastic FEA, elastic FEA, in accordance to industry standards
- Conducted finite element analysis to optimize air separation unit structure resulting in a reduction of material cost by 15%

Aurubis Buffalo Inc.

Mechanical Engineering Intern – Maintenance Department

Buffalo, New York
1/2019 - 5/2019

- Engineered and designed modifications to existing equipment to improve production and reduce maintenance cost
- Conducted major overhauls and rebuilt material process equipment to improve quality and yield
- Contacted vendors and suppliers for competitive bidding quotations on jobs

WORK EXPERIENCE

Ride Operator, Fantasy Island, Grand Island, New York, Summers 2017 and 2018