

# Scarlett Anderson

## STRENGTHS

### Complex Design Expert

Created intricate mechanical facilities, resulting in the reduction of project lead times by 20%.

### Cost Analysis Specialist

Accomplished in performing detailed cost analyses, and contributed to saving \$1 million over 5 projects.

### Supervisory Skills

Lead and trained a team of 5 junior engineers, improving productivity by 30%.

## SKILLS

### Mechanical Engineering Design

Cost Analysis • Supervision • Construction

Control Systems • Instrumentation

Building Codes • Safety Regulations

## CERTIFICATION

### Certified Professional in Engineering Management

Successfully completed comprehensive engineering management certification from American Society for Engineering Management.

### Advanced Mechanical Design

Attended an intensive design course focused on complex mechanical facilities by ASME (American Society of Mechanical Engineers).

## PASSIONS

### Mentorship

Actively involved in mentoring and shaping the career paths of younger engineering professionals.

### 3D Printing

Proficient in 3D printing, and keen on staying up-to-date with the latest advancements in this technology.

## Associate Mechanical Engineer | Design & Cost Analysis Expert

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## SUMMARY

Resolute Mechanical Engineer with a decade's worth of experience in complex designing and cost analysis. Known for in-depth familiarity with public works type facilities and delivering quantified efficiency improvements.

## EXPERIENCE

### Senior Mechanical Engineer

2018 - Ongoing

Baker Hughes

Houston, Texas

Led numerous mechanical design and construction projects meeting client specifications and adhering to regulatory standards.

- Designed and managed the construction of 7 public works facilities, improving operational efficiency by 25%
- Successfully reviewed and rectified the designs of peers to minimise errors, ensuring a decrease in rework by 28%
- Accurately estimated costs for 10+ projects, optimizing budget allocation, and saving project expenses by \$500k.

### Mechanical Engineer II

2015 - 2018

Schlumberger

Houston, Texas

Responsible for the design and maintenance of mechanical facilities resulting in efficient operation and reduced downtime.

- Implemented computerized control systems in 5 facilities that led to an increase in productivity by 15%
- Ensured compliance with building codes and safety regulations across all projects, resulting in zero safety violations for 3 consecutive years.
- Monitored and directed the work of a team of junior engineers, achieving all project goals on time.

### Junior Mechanical Engineer

2013 - 2015

Halliburton

Houston, Texas

Collaborated with the engineering team to undertake various mechanical engineering tasks for public works type facilities.

- Assisted in the design of 3 water supply systems, contributing to meeting project milestones on time.
- Prepared comprehensive technical reports, which facilitated efficient communication and decision-making.
- Participated in carrying out cost analyses for small-scale projects, helping to save \$50k in expenses.

## EDUCATION

### Master's in Mechanical Engineering

2011 - 2013

University of Houston

Houston, Texas

### Bachelor's in Mechanical Engineering

2007 - 2011

Texas A&M University

College Station, Texas

## LANGUAGES

English

Native



Spanish

Advanced

