

# Navreet Delgiacco

Senior Mechanical Engineer

## Profile

I am a senior mechanical engineer with over 5 years of experience in oil and gas industry. I have gained expertise in project management, design and analysis during my tenure. My core competencies include but are not limited to cost effective designs, strength and fatigue analysis, thermal analysis etc. In addition to this, I also possess excellent communication skills which help me liaise effectively with clients as well as other engineers.

## Employment History

### Senior Mechanical Engineer at Wegmans Food Markets, NY

Apr 2022 - Present

- Led a team of engineers in designing and optimizing a new engine prototype that improved fuel economy by 8% and reduced emissions by 10%.
- Presented findings to the board of directors, which led to the project being green-lit for production.
- Defined design criteria and oversaw bench testing for a new transmission system that achieved 97.5% efficiency.
- Authored 30 papers on engineering topics, 5 of which were published in major industry journals.
- Spoke at 15 different conferences on subjects such as mechanical engineering principles and best practices.

### Lead Mechanical Engineer at Lowe's, NY

Jul 2017 - Feb 2022

- Successfully completed the installation of 100 robotic arms in XYZ Factory- this increased production by 25%.
- Redesigned the conveyor belt systems in 3 different factories- this decreased downtime by 32%.
- Oversaw a team of junior engineers and technicians on regular basis- ensuring projects were completed on time and under budget.
- Lead mechanical engineer for designing, building, and testing prototypes for new products- helped increase company sales by 15% last year.
- Successfully managed 10 large scale projects from conception to completion with minimal issues.

## Education

### Bachelor of Science in Mechanical Engineering at Columbia University

Sep 2013 - May 2017

I've learned how to design and analyze mechanical systems using principles of physics and engineering.

## Details

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## Links

[linkedin.com/in/navreetdelgiacco](https://www.linkedin.com/in/navreetdelgiacco)

## Skills

CAD

CAM

CAE

FEM

CFD

CNC

GD&T

## Languages

English

Russian

## Hobbies

Reading

Drawing

Photography

## Certificates

**Certified Senior Mechanical Engineer (CSME)**

Feb 2021

**Certified Professional Mechanical Engineer (CPEM)**

Aug 2019

## Memberships

**American Society of Mechanical Engineers (ASME)**

**American Society of Heating, Refrigerating and Air-Conditioning  
Engineers (ASHRAE)**