

Sundeep Singh

sundeepsingh.net

EDUCATION

New Jersey Institute of Technology – Newark, NJ

Sept 2018 – May 2022 (expected)

Candidate for Bachelor of Science in Mechanical Engineering

GPA: 3.819 / 4.000

PROJECTS

Project Respire

May 2020 – Present

Co-Founder

- Developed a potentially lifesaving mechanical accessory for patients undergoing CPR, delivering increased accuracy, reduced risk, and less strain on first responders.
- Initial prototype has been designed utilizing Autodesk Inventor, undergoing continuous improvements and anticipating a fully functioning prototype by Fall 2020.

Creo Innovations Reverse Engineering Project

Sept 2018 – Dec 2018

Team Manager

- Reverse-engineered a Bosch Camera Tripod, identifying and modelling each individual component using Creo Parametric 5.0.
- A virtual assembly of the Bosch Camera Tripod was constructed and part drawings and assembly drawings were fabricated.
- Reviewed by a team of industry professionals and placed in the top three.

WORK EXPERIENCE

PSE&G – Burlington, NJ

June 2020 – August 2020

Gas Operations Technical Intern

- Performed quality control and data analytics on customer follow up calls in response to COVID-19 and assisted in the execution of Operations and Maintenance identified leak repairs in the 12 gas districts.
- Analyzed data from the competitive services financial reports to create Microsoft Power BI dashboard templates for future use on modeling the budget and planned expenses.

Amazon – Moonachie, NJ

June 2019 – Sept 2019

Warehouse Associate

- Managed the Amazon flex drivers for the Prime First Day shipment within Hudson, Bergen, and Passaic counties.
- Responsible for resolving any technical issues that may arise with the shipment and assist in the operation of the warehouse.

SKILLS AND RELEVANT COURSEWORK

Engineering Affiliated Software: Creo Parametric 5.0+, Autodesk Inventor 2014+ (Certified), MD Solids 4.1.0

Programming Languages: MATLAB 8.6+, Python 3.8+, Arduino 1.8+

Data Analysis Software: Microsoft Power BI, Microsoft Excel, Minitab

Relevant Coursework: Machine Design, Fluid Mechanics, Introduction to System Dynamics, Thermodynamics II, Mechanics Lab I, Differential Equations

AWARDS & ORGANIZATIONS

- Academic Excellence Scholar (NJIT) Sept 2018 – Present
- American Society of Mechanical Engineers (NJIT) Sept 2018 – Present
- Newark Sikh Student Association (Rutgers and NJIT) Sept 2018 – Present