

# Joe Jobscan

1212 Jobscan Ln.  
Seattle, WA 98101

555-555-5555  
joejobscan@jobscan.co

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## Education

**Colgate University** Hamilton, NY  
Bachelor of Science in Mechanical Engineering

September 2016 - June 2020 (expected)  
GPA: 3.83/4

## Skills

**Knowledge and Skills:** CAD (e.g. SolidWorks), Mechanical Design and Drawing, Manufacturing using Solidworks, MS Office Skills (Word, Excel), MATLAB, Python, Data Analytics Softwares (JMP, Tableau), Finite Element Analysis (Abaqus), Computational Fluid Dynamics, and SAP system

**Language:** Fluent in both Chinese and English, novice in German

## Honors

**Dean's List**, Union College

2016 - 2017, 2017 - 2018, 2018 - 2019

**Member**, *Tau Beta Pi*, National Engineering Honor Society

October 2018 - Present

**Member**, *Pi Tau Sigma*, National Mechanical Engineering Honor Society

May 2019 – Present

## Relevant Coursework Experience

**Student Designer**, *Colgate University*

June 2019 - July 2019

- Participated and led the team in term-long project designing a mechanical system that automatically processes papers to build a paper tower
- Utilized technical software such as Solidworks to create drawing for the system as well as assembling components
- Worked with Technicians in manufacturing Solidworks parts from drawings
- Kept order of hundreds of designed components in database through file management
- Prepared Bill of Materials based on the design for ordering purposes

## Professional Experience

**Summer Research**, *Colgate University*

June 2019 - July 2019

- Conducted research studying the applications of aerogels to decrease pollution from motor vehicles
- Analyzed the gas diffusive behavior of aerogels to quantify its characteristic property
- Produced and manufactured various types of aerogels as testing samples

**Intern**, *Car International., Ltd.*

June 2017- September 2017

- Constructed ideas and discussed scheme, cost, and ideas with vendors for the team building program
- Created names and compared name definitions in both Chinese and English for new car model
- Arranged logistics, prepared materials and supplies on recently launched models for the company workshop
- Collected data, created presentations
- Trained, utilized and taught department secretary SAP system and KSRM in establishing purchases and keeping account

