

# Shangjing Tang

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## OBJECTIVE

A highly self-motivated and responsible Industrial Engineering student with strong problem-solving skills seeking for an internship to actively provide help and support to the manufacturing industry.

## EDUCATION

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- ❖ **Purdue University, Collage of Engineering** **May 2020**  
*Bachelor of Science in Industrial Engineering* **CGPA: 3.8/4.0**
- **Honors:** 2018-2019 Winston C. Lister Scholarship in Industrial Engineering, Deans List, Semester Honors
  - **Teaching Experience:** Purdue Owl Writing Lab Writing Tutor **08/2017-present**

## PROFESSIONAL EXPERIENCE.

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- ❖ **CTS Corporation** (Leading Designer and Manufacturer of Electronic Components) **Elkhart, IN**  
*Manufacturing Production Engineer* **08/2018-present**
- Compiling & analysed production build data from multiple global locations, present data to the core team to review trends and problems that arise
  - Designing a data analysing system using Minitab and Excel that can track and analyse 10000 data from multiple global locations and improve manufacturing efficiency by 40%
  - Designing and updating assembly production line. Using Fault Tree Analysis and Potential Failure Mode & Effective Analysis to prevent production line failure mode and improve efficiency.
  - Authoring & tracked Engineering Change Orders through the full global organizations.
  - Leading the design of product training materials for all 12 manufacturing sites.
  - Communicating with 12 manufacturing locations throughout North America, Asia and Europe to ensure quality manufacturing
- ❖ **We-Youbond. LLC** (Service-Based Startup Company: <http://weyoubond.com/en/>) **West Lafayette**  
*Chief Marketing Officer* **01/2017-08/2018**
- Provided a personalized service including academics, social lives, and career path for around 500 students and connect them with international resources.

## LEADERSHIP EXPERIENCE & AWARD

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- ❖ **Purdue RoboMasters Club** **West Lafayette**  
*Business Team Lead* **02/2018- present**
- Represented Purdue University to compete in the annual DJI Robomaster robotic competition. Awarded with 3<sup>rd</sup> prize in the 2018 international regional battlefield
  - Authored grant proposals to secure funding and prepared marketing materials to bring in new donors
  - Collaborated with control team and mechanical team to design and manufacture robots
- ❖ **Voice IAM Social Media & Magazine** **West Lafayette**  
*Chief Editor* **09/2016-present**
- Published over 10 articles with average of 3000-5000 page views about international students for Voice IAM magazine which has 25000 readers
  - Led and directed over 10 other members to work on the annually magazine design process
- ❖ **Cisco Dawn or Doom Data Dive Case Competition** (Advanced into Final List) **West Lafayette**  
*Data Analysts* **04/2018**
- Analyzed 10 million data by using Tableau to reduce customer renewal rate and maximize profits
  - Develop executable strategies, with approval of Cisco's CTO, for Cisco to dramatically increase the customer renewal rate by 50%
- ❖ **Deloitte 2018 Human Capital and Technology Case Competition** **West Lafayette**  
*Technology and Human Capital Consultant* **03/2018**
- Proposed innovative and executable business strategies for a traditional automotive industry to achieve its technology and cultural transformation.
  - Awarded second place out of 12 teams by presenting professional advice in front of Deloitte's core team

## RELEVANT SKILLS

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- ❖ **Programing Skills :** MATLAB, Python, C
- ❖ **Software & Applications:** Tableau, Minitab, Excel, Autodesk Fusion 360, Inventor, Photoshop, Illustrator, Microsoft Office
- ❖ **Other Skills:** Fault Tree Analysis, Robust Engineering, Overall Equipment Effectiveness, Fluent in Chinese & English