

# Yue Feng

8-28, 48 NANYANG CRE,  
SINGAPORE, 637121  
+65 8625 9661  
YUE008@E.NTU.EDU.SG

---

## Education

NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE

*Manufacturing Systems and Engineering, Master of Science Degree, Coursework and Dissertation, expected graduation time, May 2019*

UNIVERSITY OF DELAWARE, NEWARK, DE

*Mechanical Engineering Bachelor Candidate, Computer Science Minor, Mathematics Minor, Graduated, May 2018*

## Experience

TRANSFORMA ROBOTICS, SINGAPORE

Human-Machine Interaction Engineer, Aug 2018 – now

- Design and develop the front-end application for the Construction Indoor Painting Robot PICTOBOT.
- Contribute to designing the best human-robot interaction pattern for the indoor painting robot.
- Research on a standard workflow for the construction indoor painting robot.

DEPARTMENT OF MECHANICAL ENGINEERING, UNIVERSITY OF DELAWARE, NEWARK, DE, USA

Scaled Smart City (UDSSC) Software & Hardware Researcher, Jun 2017 – Jun 2018

- Researcher of “mini city” project, worked for Andreas A. Malikopoulos, Ph.D.
- Designed and optimized the layout of mini city’s traffic line and manufactured the base of the city.
- Established network system between Server and robots through Wi-Fi. VICON camera, Arduino, and raspberry pi are included in the network.
- Designed and developed the UI application for the system.

WINGS ENTERTAINMENT ELECTRONICS PRODUCTS ENTREPRENEURIAL TEAM, NEWARK, DE, USA

Founder, team leader, chief designer, from January 2017

- Proposed ideas built and managed WinGs entrepreneurial groups.
- Designed and manufactured the recreational machine for werewolf table game.
- Designed the online management systems for table game bars.
- Designed the online systems of the recreational machine for werewolf table game.
- One of two patent holders. Patent number CN206642349U.

ISUZU MOTORS CO., NANCHANG, JIANGXI, CHINA

Quality inspector, Jul 2016 – Aug 2016(internship)

- Conduct time and motion studies to identify opportunities to improve worker efficiency.
- Plan the flow of work or materials to maximize efficiency.
- Oversee or inspect production processes.

## Additional Skills

- Proficient in Chinese, Cantonese and English, intermediate in Japanese.
- Have proficient skill in Microsoft Office software (Word, Excel).
- Have proficient skill in programming (JavaScript, html, CSS, python, Arduino, Java, MATLAB).
- Have proficient skill in 3D modeling software (SolidWorks).
- Have proficient skill in manufacturing (3D-Printer, CNC-machine, laser cutter).
- Well-developed organizational skills.