

Yue Feng

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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.