

Shijie KANG

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EDUCATION

- ◆ The Hong Kong University of Science and Technology (Guangzhou) PhD Student
- ◆ The Hong Kong University of Science and Technology Master of Science
2021.09-2022.07

Major: Aeronautical Engineering

Semester1: Advanced Aerodynamics, Advanced Aircraft Design, Fluid Dynamics, Nondestructive Evaluation for Aerospace Structure

Semester2: Computational Fluid Dynamics, Avionics Technology, Aerospace Materials and Applications, Aircraft Certification- A Practical Approach, Managing Helicopter Operations and Maintenance, Commercial Airline Operations Considerations

Independent Project: Manipulation System of the Pneumatic Soft Robotic Arm System

- ◆ Chang'an University Bachelor of Engineering 2017.08-2021.06

Major: Mechanical Design, Manufacturing and Automation

Courses: Advanced mathematics, Mechanical Drawing, College Physics, Theoretical Mechanics, Material Mechanics, CAD & CAM Technology

PROJECT

- ◆ Innovation Training Program for College Students 2019.08
- Conducted in a project named *Reasonable Design of A Corridor Elevator*
- Undertook task of doing computer simulation experiment.
- Designed a wheel gear steering mechanism.
- Let elevator to pass smoothly through corners and achieve a one-step finish.

EMPLOYMENT

- ◆ The Hong Kong University of Science and Technology (Guangzhou) Research Assistant (RA) 2022.10-2023.08

Responsibilities:

Laboratory infrastructure construction including the construction of terahertz time domain spectroscopy equipment.

Performing experiments related to Terahertz meta-materials.
Terahertz material spectroscopy research.
Development of new functional metamaterials for terahertz waves.

◆ **Dong Feng Commercial Vehicle Co.Ltd** **Intern** **2019.12-2020.04**

- Participated Dong Feng's production workshop (including axle shell workshop, box workshop, assembly workshop) to understand production status.
- Learned knowledge and skills from workers about workshop production process and related products explanation.
- Forging practice in the factory workshop.

◆ **Chang 'an University (Science and Technology Association)** **2017.10-2018.09**

- prepared budget, drafted sponsorship invitations and supervised delegation of responsibilities.
- Drafted required documents of associations and speech draft used by members.
- Established up to 20 large-scale events and competitions in one year, with more than 1,000 participants.

SKILLS AND INTERESTS

- SolidWorks
- Ansys Workbench
- XFLR5
- Matlab
- COMSOL Multiphysics