

Shizhao Yang (Nicholas Yang)

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EDUCATION

Wuhan University of Technology	09/2015-06/2019
Bachelor of Science in Automotive Engineering;	
Core Courses: <i>Vehicle Engineering, Thermal Energy and Power Engineering, Vehicle Service Engineering</i>	
University of California, Davis (Exchange Program)	09/2018-06/2019
Core Courses: <i>Computer Aid Mechatronic Design, Mechatronic System Design Project, Introduction to Data Structures, Introduction to Programming, Auto Control of Engineering System</i>	
Clemson University	08/2019-Present
Master in Automotive Engineering	

INTERSHIPS

UQM Technologies, Inc.	Shanghai, China
Exhibition Assistant	07/2019
<ul style="list-style-type: none">Participated in pre-exhibition training and learned about exhibition products, exhibition process, etc.Responsible for introducing exhibition products to potential customers	

RESEARCH PROJECTS

Optimal handling bicycle

The project aims to design an algorithm to quantify the handling quality of bicycles. Then model, manufacture and evaluate the bicycle.

Yaw stability control of active limited differential

The project aims to design controllers to control an active limited differential and do simulation about it.

Human face detection project

The project aims to design an algorithm to detect the human face and calculate the three-dimension position of it.

EXTRACURRICULAR ACTIVITIES

WHUT International Culture & Food Festival	04/2016;04/2017;04/2018
<ul style="list-style-type: none">Participated in the site layoutResponsible for introducing Chinese culture and food to the international students and maintaining order at the scene	
Youth Space Volunteers	07/2017
<ul style="list-style-type: none">Assisted lecturers and teaching assistants with classroom layout, teaching and maintaining class orderResponsible for working out class schedule, communicating with children and parents, and publicizing public welfare programs	

HONORS & AWARDS

1 st Prize in WHUT Engine Virtual Assembly Competition	11/2017
Merit Student	11/2016
Excellence Award in “SGMW Cup” Automotive Design Competition	06/2016

SKILLS

Languages: Native Mandarin; Fluent English

Professional Skills: Proficiency in MATLAB, Python, SolidWorks; Familiar with Catia