HAICHANG LI

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EDUCATION

2020-22 **Xi'an Jiaotong-Liverpool University,** *Suzhou, China*   School of Advanced Technology
University of Liverpool, *Liverpool, UK*   Department of Electrical Engineering and Electronics
- Study field: Electronic Science and Technology
- Level 1 results: First class honor (71%)

2022-24 **Purdue University,** *West Lafayette, US*   Department of Computer Information Technology
- B.Sc. Computer and Information Technology and minor in Communications
- Current GPA 4.0/4.0

Knowledge Background: Electrical/Electronic/Digital Circuit, Engineering Drawing, Integrated Electronics and Design, C Programming and Software Engineering, Systems Development, Object-oriented programming in JAVA, Python

RESEARCH EXPERIENCES

AI to Music in Purdue Cam2 Lab   *Feb.2023- Jun.2023*
Research Assistant, Purdue University, *West Lafayette, US*
- Used MusicBert and BasicBitch to analyze audio files
- Used Stable Diffusion Model to generate the Image and Video
- Currently building a data set to convert audio to prompt based on emotions

Data Analysis for Human Thermal Comfort Model   *Apr.2022- Aug.2022*
Remote member, Xi'an Jiaotong-Liverpool University, *Suzhou, China*
- Awarded by the scholarship of ''Summer Undergraduate Research Fellowship'' of XJTLU
- Established the thermal comfort model of human body based on PMV
- Using IBM SPSS software to integrate various methods to analyze the collected sports data

XJTLU Thermal fluid laboratory   *Jun.2021- Jan.2022*
Research Assistant, Xi'an Jiaotong-Liverpool University, *Suzhou, China*
- Used ANSYS software to analyze and simulate the valve structure under high parameter conditions
- Completed a literature review on valve optimization under high parameter conditions
- Using SVM/BP neural network/interpolation established a data model for the calculation of thermophysical properties of R32

LEADERSHIP AND ACTIVITIES

Associate Co-Chair, *XJTLU IEEE Student Branch*   *Apr.2021- May.2022*
- Founded the official account of "IEEE XJTLU Student Branch"
- Established IEEE Smart Village China in XJTLU in cooperation with IEEE smart village China
- Organized the registration channel of IEEE official activities such as Xtreme in XJTLU

Minister of Creative publicity Department, *XJTLU Science Innovation Association*   *Oct.2020- May.2022*
- Managed and operated WeChat official account
- Established and promoted related activities, such as a MATLAB lecture in XJTLU with MathWorks

Media and Public Relationship department, *Purdue U CSSA*   *Oct.2022- present*
- Organize large-scale activities to help the cultural integration and exchange between the United States and China in Purdue University.

- Gained the propaganda ability and organizational ability by the articles' publication in WeChat Platform.

Contestants, Second prize, *The 21st "Win in XJTLU" Leadership Competition* *Apr.2021-May.2021*
- selected the topic of'' cyber violence'' as the theme to investigate the methods to eliminate prejudice
- Produced a WeChat official account article calling the people to reduce prejudice
- Conducted the research study project by means of interviews and questionnaires

SKILLS

Programming Languages: Python (In progress), C, MATLAB, JAVA (In progress)

Tools and Frameworks: Arduino, Microsoft Office, Photoshop, CAD, ANSYS

Languages: English (near fluent), Chinese (native)