石爻 Yao Shi

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Education

University of Electronic Science and Technology of China (UESTC) 2019.09 - 2023.06

School of Information and Software Engineering, Chengdu, China

B.Eng in Software Engineering, overall GPA: 3.64

Awards & Honors

- ***Honors Bachelor*** ,University of Electronic Science and Technology of China
- **Meritorious Winner** ,2021 MCM&ICM
- **National third prize** ,The 17th "Challenge Cup" National College Student Curricular Academic Science and Technology Works Competition
- **National Bronze Award** ,China International "Internet +" College Students Innovation and Entrepreneurship Competition
- **Best Legend Award & Third place in the team finals** in DeeCamp 2021(Global College AI Training Camp)

Scholarship

- *2023 Outstanding Graduation Project Scholarship*, UESTC
- *2023 Outstanding Undergraduate Graduates Scholarship*, UESTC
- *2021~2022 Science and Technology Innovation Pacesetter Scholarship*, UESTC
- *2019~2020 Science and Technology Innovation Pacesetter Scholarship*, UESTC

Research Experience

Time: 8/2020~3/2021

Title: Method for Eliminating Redundant Figure in Image based on Machine Learning

supervisors: Associate Professor Ruijin Wang, University of Electronic Science and Technology of China

Description: Designed a method for eliminating redundant figures in images based on machine learning, adopts a high-precision target detection algorithm to extract figures in images for cropping, and adopts an advanced image restoration technology to enable the images to be close to reality as much as possible.

Time: 4/2021~11/2021

Title: Augmented-Reality based Assembly Instructions for Brick Models

supervisors: Postdoctoral Researcher Ran Zhang, Hasso Plattner Institute

Description: Designed an augmented-reality based system, which visualizes assembly instructions in augmented-reality head-mounted display, and utilizes Natural Language Processing techniques to generate functional and flexible assembly sequences.

Paper: BrickPal: Augmented Reality-based Assembly Instructions for Brick Models, arXiv:2307.03162 [cs.HC]

Patents

- 2021.Method for eliminating redundant figure in image based on machine learning.CN Patent Application 202110880980.9.
- 2021.Fast image composition method based on convolutional neural network.CN Patent Application 202110920914.X.
- 2021.Deepfake traceability system based on big data federated learning architecture.CN Patent Application 202110919472.7.

Work Experience

Aerospace Information Research Institute, Chinese Academy of Sciences 2022.03 - 2022.08

Research Assistant Suzhou, China

- Responsible for the development and maintenance of the digital earth information system
- Responsible for optimizing the human-computer interaction of the digital earth information system, and optimizing the system by using augmented reality technology

OneFlow Inc. (Meituan) 2023.03

Framework Development Engineer Beijing, China

- Responsible for the maintenance and development of the OneFlow open source machine learning framework, improving framework use cases, and writing operators.

Leadership Experience

School of Information and Software Engineering(UESTC) 2020.10 - 2021.11

President of the Zeqi Student Studio Chengdu, China

The University Student Union(UESTC) 2019.12 - 2020.12

Deputy Minister of News and Media Chengdu, China

Standardized Tests

TOFEL (IBT): 98(Total) = 26(Reading) + 23(Listening) + 23(Speaking) + 26(Writing)

Skills List

Programming: Python, Java, C/C++, C#
Operation Systems: Microsoft Windows, Mac OS, Linux
Typesetting: LATEX, Microsoft Office

Language: Chinese (Native), English (Fluent), Cantonese(Basic)