Xu Yingjing

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Education

2022.09 -	Zhejiang University	Ningbo, China

Software Engineering

➢ **Major Courses:** Artificial intelligence algorithms（100），Graph neural network（96），Data visualization（95）

➢ **Responsibilities：** Commisioner of culture and sports，Student union sports department officer

➢ **Honors：** School outstanding member

2018.09 - 2022.06	Zhejiang University of Technology	Hangzhou, China

Software Engineering (cooperated with Blekinge Institute of Technology, Sweden)

➢ **GPA：** 4.267 / 5.00（top 2%）

➢ **Major Courses：** Software project management(95)，Object-oriented programming(95)，Data structures and algorithms(95)，Database technology(98)，Practical human-computer interaction(96)

➢ **Language Ability：** CET-6:544，IELTS:6.5，Senior high school English teacher certificate

➢ **Awards and Honors：** Outstanding graduates from Zhejiang province，Provincial government scholarship，First class scholarship for outstanding students，First class scholarship for study，Innovation and entrepreneurship scholarship，First prize in Zhejiang E-commerce competition

Research

2023.05	Facial AU-aid hypomimia dignosis based on GNN	Ningbo, China

➢ A short paper presented as **first author** at the 《**medical imaging deep learning**》 conference has been accpeted.

➢ Published the patent 《**A hypomimia detection method based on action unit and graph neural network**》, and the patent has been accepted.

➢ The work proposes a framework to use Graph Neural Network(GNN) to extract related action unit(AU) features on the facial smiling videos to help to improve the recognition of hypomimia with PD.

➢ Responsible for the technical route design and the conception of innovation points of the project, and independently completed the experiment and paper writing.

2022.03 - 2022.06	Graduation project：Food safety visualization and risk prediction	Ningbo, China

➢ **Excellent graduation design of Zhejiang University of Technology**

➢ In this study, the data of unqualified food in China in the past 20 years are taken as a data set, processed by data processing algorithms such as keyword extraction, weight calculation and clustering algorithm, and the internal relationship between the geography, category, year and food additives of the data set is displayed by means of relational visualization, geographical visualization and text visualization.

➢ In this study, different machine learning algorithms were compared to train a food safety prediction model for early warning of food risks.

➢ Completed the project data processing, visual design and implementation, and food safety prediction algorithm independently .

Project

2022.06 - 2023.06	Chongqin ancient tower visualization	Ningbo, China

➢ **Third prize, chinaVis Visualization Challenge 2023**

➢ The project aims to use visualization technology to present the rich cultural heritage and historical value of Chongqing ancient towers. By collecting and organizing historical data, photos and measurement data of ancient pagodas, an interactive visualization platform has been created, enabling users to explore and understand the unique charm of Chongqing ancient pagodas in a friendly way.

➢ As the leader of the team, I led the team to complete the work of data collection and analysis, visualization design, etc.

2023.04 -	Hypomimia Coach: Hypomimia rehabilitation	Hangzhou, China

- ➢ Participated in the Intelligent Interactive Innovation Competition of 2023 China University Computer Competition, and has entered the final round
- ➢ This project consists of two parts: identification and rehabilitation training. By collecting the user's smile action data, we can judge whether the user has Parkinson's "mask face" symptom, and give the "mask face" score of Parkinson's patients. According to the clinical guidance of professional doctors, the system designed a set of Parkinson's "mask face" massage rehabilitation exercise game, through facial expressions and direct interaction with the system of fun and friendly game form, so that users to complete rehabilitation training.
- ➢ As the leader of the team, I led the team to complete function design, algorithm implementation, interactive innovation and etc.

Social Practice

2020.08　　　　　　　Social practice of enrollment promotion in Ningbo city　　　　　　Ningbo, China
- ➢ led the team to publicize the enrollment of Zhejiang University of Technology in several hight schools with excellent students, such as cixi high school and hushan high school.
- ➢ Won the second prize of summer social practice competition and the title of "2020/2021 School of Computer Science Summer Social Practice Key Team".

2020.08　　　　　　　Global Youth Entrepreneurship Training program　　　　　　Yiwu, China
- ➢ wrote the press release of the event, and was responsible for the entire photography and publicity work.
- ➢ Led the overseas students team to learn e-commerce, international trade and other knowledge, built a platform for resource sharing, entrepreneurship training and cultural exchanges involving the government and enterprises, shared Yiwu's development stories and opportunities with foreign outstanding young people.