

Yuecheng Peng

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Education

Zhejiang University

B.Eng Industrial Design 2019-2023

■ GPA:3.98/4

■ Ranking:1/45

Scientific Research Project

HoloLens 2 expander interaction project

08/2021 - 12/2021

■ This project aims to design a MR application on HoloLens 2, which allows factory workers to interact with the expander machine and learn how to assemble and operate it.

■ As the leader of the design team, I came up with design guidelines and standardized workflow, which increased the inter-team work efficiency by 60%.

■ With a human-centered perspective, I optimized the user interaction experience with the HoloLens 2 interface and improved the comfort level as well as the immersiveness.

■ Our design team was successfully selected to cooperate with Zhejiang Provincial Energy Group Company Ltd. in the bidding.

Music Emotion Visualization Project

08/2021 - 12/2021

■ This project aims to provide synaesthesia experience in a music App by visualizing the emotion of the music.

■ I was responsible for literature research and functional design. I also designed and conducted the experiment to collect people's valence-arousal sentiment value on music as well as different graphic and color expressions, which constitute the supporting database of our App.

■ This project was selected as a provincial research project (top 6%) and we developed a App demo.

Academic Skills

■ **Coding:** Python, JavaScript, C, C#

■ **Prototype:** Arduino, Raspberry Pi, 3d printer, laser cutter, material design

My name is Yuecheng Peng, an undergraduate from Zhejiang University majoring in Industrial Design. I love all kinds of handwork: fabricating with 3d printers and laser cutters, doing various chemical experiments, etc., and I especially enjoy exploring the potential of various kinds of materials. Plus, I'm also a keen data storyteller, interested in triggering people's reflections through visual stories. In my spare time, I love to embrace nature--go for a walk in wetland parks, glamping in forests, etc. I'm fascinated by all kinds of living things in the wild, and they will always reward me with inspiration.



Internship and Career

Zhejiang University International Design Institute

Research Assistant

10/2021 - 04/2022

■ This research was about developing and evaluating an online knowledge graph tool that helps students to gain well-structured knowledge in sustainability problem-solving process.

■ I was responsible for all the design as well as the front-end and back-end development of the tool. I also collected and organized related literature research, and was responsible for writing part of the research paper.

■ I developed an online knowledge graph tool that is ready to be used in sustainable education settings. I am also the coauthor of this research paper that has been submitted to *the journal of cleaner production* in December 2022.

Activity

■ **10/2019 - 12/2020**

A member of the System Development Club in the Library Department, responsible for managing the library's website and reservation system.

■ **10/06/2020 - 27/07/2020**

Maynooth University Online Summer School in Computer Science, grade 94/100

Awards

■ **2019-2020**

Foreign exchange pacesetter/ Excellent academic model/ Zhejiang University second-class scholarship 8%

■ **2020-2021**

Zhejiang University third-class scholarship 20%/ Excellent academic model/ Huawei Scholarship (one student only)

■ **2021-2022**

Second Class Scholarship of Zhejiang University 8%/ Excellent academic model