Xinyao Chen

Suzhou, Jiangsu 215123, China

13451612781 | cynthia_chen2202@163.com

Education

Xi'an Jiaotong-Liverpool University   Suzhou
School of Advanced Technology   *Sep 2021 - Jun 2025*
Major: Information and Computing Science

Research Experience

Explore the role of smartwatches in multi-device visualization: Suzhou
Cross-device visualization application (MobileHCI in submission)

Member   *Jun 2023 - Nov 2023*
- Android Studio technology was used to achieve high visual integration and device interaction between smartwatches and smartphones in diverse scenarios such as standing and sitting.
- Designed simple and efficient user interfaces and seamless device communication to improve the user experience in information synchronization and interaction between the two devices.
- Responsible for the design application possibility and eventually the development and application of evaluation and feedback, worked in a team to complete the academic paper.

Workplace Experience

IICT (Institute of Computing, Chinese Academy of Sciences)   Suzhou
Data Analysis Intern   *Mar 2023 - Apr 2023*
- Collected data from more than 5 different sources, collated and summarized more than 100 data items.
- Used Excel to create more than 10 charts and reports that visually show key business metrics and trends.
- Identified five strengths and three key challenges in terms of products, services, and marketing strategies through a detailed comparison of the company and more than 10 major competitors.
- Designed and optimized 5 key business flow charts, and produced slides for presentation related to layout to improve readability, and increase the attractiveness and efficiency of reports and meetings.

Project Experience

Visual Analysis of Multidimensional Evaluation Indicators   Suzhou
Member   *Jun 2022 - Mar 2023*
- Collected and sorted out the index system, and processed the data of 64 colleges and universities.
- Optimized the construction process of the index data model using Neo4j to construct a general evaluation graph.
- Multi-angle analysis and trend prediction through indicator data model construction and visualization.

Research on Automotive Industry Graph (in cooperation with   Suzhou
Shanghai Jiao Tong University)

Member   *Jun 2023 - Nov 2023*
- Accessed and analyzed more than 30 industry-leading online data, including Deloitte, HSBC and other authoritative agencies-issued vehicle scale chip market reports.
- Completed a comprehensive automotive chip supply analysis report, and made and presented 20 slides.
- Utilized XMIND tool to carefully draw logical diagrams and flow charts, adjust the typeset and format of industry reports, and optimize the presentation and professionalism of information.

Web-based ordering system   Suzhou
Member   *Jan 2024 - April 2023*
- Leveraged Spring Boot framework for data persistence, user authentication and authorization, and business logic.
- Built a dynamic user interface with the framework React, and optimized component rendering.
- Designed and implemented database (MySQL) for data storage, supporting efficient data model support order processing, user management and other key business functions.

Additional Skills

- Technical skills: Java, MySQL, Python, HTML, CSS, Neo4j, Office (Excellent)
- English (bilingual oral and written fluency)