

Fangzheng Zhou

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EDUCATION

University of Electronic Science and technology of China

Sep 2015 - Jul 2019

- Candidate for Bachelor of Engineering in software engineering
- GPA: 85.07 / 100

WORKING EXPERIENCE

QingNiuZhiSheng Technology Co., Ltd. Chengdu

Mar 2019 - MAY 2019

PHP Engineer(Intern)

- Participated in the development of cloud platform intelligent customer service system.
- The system based on Automatic Speech Recognition and Text To Speech.
- The system allows the user to configure the session flow of the knowledge base and the robot. The robot automatically recognizes the problem raised by the customer and returns the corresponding speech according to the configured process.

PROJECT EXPERIENCE

Algorithm Engineer, Artificial bee colony algorithm

Feb 2018 - Sep 2018

- An algorithm for long-term carpooling problem with multiple origins and one destination is developed.
- The main body of the algorithm is based on artificial bee colony algorithm, combined with variable neighborhood search and tabu search algorithm, and a diversity protection mechanism is introduced.
- Simulation and comparative experiments show that the algorithm can effectively solve the passenger assignment and route assignment in long-term carpooling problem.
- A research paper is finished and will be published.

Front-end Engineer, video webpage based on Django

Sep 2017 - Nov 2017

- Applied Django to make a video website to realize the user registration and login function, and establishes the background login window to realize the administrator's login and the user's rights management operation.
- Set up a back-end database to store user uploaded data, allowing users to upload and download pictures, video and other multimedia data.

Architecture Design of medical information management system based on WeChat

Sep 2017 - Nov 2017

- Preliminary architecture design of the system, using BOUML to generate model design files, including Use Case diagram, module design, interface definition, class design, common interface design, operation sequence diagram.
- Skills developed in research: the knowledge of software architecture and the application of BOUML.

PUBLICATION

Paper Title: A Survey of Mainstream Indoor Positioning Systems

Authors: Zhou Fangzheng

IOP Conf. Series: Journal of Physics: Conf. Series 910(2017) 012069

Abstract: Indoor positioning problems have been one of the most challenging research topics in recent years, which comprise smartphone-based indoor localization, tracking, and navigation. Many positioning systems have been designed to provide such reliable indoor location-based services (LBS). In this paper, we have compared different indoor positioning systems, and discussed its future improvements.

SKILLS

- Experienced in software engineering, web development, programming (C/C++, Java, Python)