

PROFILE

Date of Birth: 2000.06.12 **Sex:** Male **Nationality:** The People's Republic of China

EDUCATION

XIDIAN University | Telecommunications Engineering (Bachelor)

SEP. 2018 – JUL. 2022

GPA: 87.6/100.0, 3.8/4.0

Core Courses: Introduction to Electrical and Electronic Engineering, Introduction of Intelligent System Design, Mathematics for Engineers and Scientists, Digital Design and Programming, Computer Architecture and Embedded Systems, Signals and Systems, Systems Project, Mechanics and Waves, Introduction to Communications and Networks, Engineering Mathematics and Statistics, High Frequency Circuit...

RESEARCH EXPERIENCE

1. The Promoting Function of Breast Bracket on the Subsequent Radiotherapy Effect of Patients After Breast-conserving Surgery

Project leader and Director: Professor Guang Jia **Numbers of the participants:** 5 **Duration:** 2020.12-2021.8

Process: The data set provided by Tangdu Hospital was used to segment the CT image of patients with or without breast bracket. Thus, the three-dimensional center of gravity of the whole image was determined, and the comparison of the offset of the two centers verified that breast bracket greatly improves the accuracy of radiotherapy.

Papers: *Assessment of Breast Shape and Volume Changes During 3D-Printed Bra-assisted Radiotherapy* (to be submitted)

Achievement: Verifying the effectiveness of the breast bracket

2. Leiguang Project

Project leader and Director: Min Wang **Numbers of the participants:** 20 **Duration:** 2021.5 -2021.10

Project Introduction: To develop a security radar based on artificial intelligence, which would use radar and photoelectric camera to detect and track high altitude parabola. The radar can detect the range and azimuth of the target, and the camera can track and shoot the target in real time.

Institute: NATIONAL KEY LABORATORY OF SCIENCE AND TECHNOLOGY ON RADAR SIGNAL PROCESSING

Positions in the project: Developing and testing the upper computer; Data acquisition and verification

Achievement: The radar developed in Leiguang Project can realize real-time monitoring and tracking of high-altitude objects to help investigators identify the main responsible person for the accident, which leads the way in the similar field in China.

3. Queuing robot

Project Director: Yanhui Chen **Project type:** Curriculum assignments **Numbers of the participants:** 7

Project Introduction: To develop a robot to ease the boredom when people line up in playground and other public places.

Positions in the project: Secretary; development and design of upper computer (using JAVA and Android studio to develop a Smart4418SDK 1606 Android development board and design an interface for players to control. In this program, the player can understand the game rules, start the robot, and get all the feedback from the robot. Understand the points and wins and losses)

Achievement: Completing the project and getting 95 points in this course.

4. Scalable computational methods for ultrafast imaging and sensing

Project Director: Yoann Altmann **Project type:** 4th year project **Numbers of the participants:** 5

Duration: 2021.9 -2022.5

Project Introduction: Recognize objects from event-based images

Positions in the project: Responsible for verifying advanced algorithms for improved event-based target recognition

Achievement: The project is my final year project and is expected to explore advanced statistical signal/image processing methods related to target recognition and using machine learning techniques for signal/imaging problems based on event cameras. It will be an excellent basis for the elaboration of a PhD research project or to transition toward an R&D career in industry.