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EDUCATION

- **Qingdao University** 2021-2025
School of Computer Science and Technology Software Engineering GPA:3.39/4

EXPERIENCE

- **Westlake University** 2023.7-2023.8
Research Intern Hangzhou
 - Working on upper computer on CACTI
 - Research on Computational Imaging
- **Pennsylvania State University** 2023.4-2023.6
Research Intern Remote
 - Working on Tracking for Robots
 - Working on Line Detection

PERSONAL PROJECTS

- **Document Shadow Removal** 2023.10-Now
Design a new architecture for document shadow removal
 - Tools & technologies used: Python, Pytorch
 - Design a new architecture combined with mask estimation, feature fusion which shows State-of-the-art on SD7K dataset
- **Bone Traction Robots** 2023.5-Now
Design a parallel traction robot for bone traction
 - Design a parallel traction robot for bone traction to deal with the problem of misalignment of lines
 - Design Patent:Lower limb bone traction restorer 202330321946.8
 - Invention Patent:Automatic angle compensation system based on exoskeleton 2023108241772
- **RoboMaster Competition** 2022.9-2022.12
Take a role as visual group member
 - Take a role to design an algorithm for object tracking
- **National College Students Mathematical Contest in Modeling** 2023.9
Establish a mathematical model to deal with the problems
 - Establish a time series mathematical model to solve the problem of sales forecasting of supermarket
 - Use python to draw heat maps and linear correlates
 - Win the second prize in Shandong province
- **Smart Home - IOT cloud platform** 2022.9-2022.12
Design a smart home IOT system
 - Design a smart home wechat app
 - Use raspberrypi to collect the data from the environment
 - Set up as the national college student entrepreneurship training project
- **Computer graphics project:Construct 3D scene based on OpenGL** 2023.12
Computer graphics fundamentation project homework
 - Construct the 3D object model by computer graphics basic algorithm
 - Realize the geometric transformation and three-dimensional observation transformation
 - Realize the function of rendering and interaction

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++ Java Python
Developer Tools: Wechat app
Frameworks: Pytorch
Cloud/Databases: MySQL
Soft Skills: Data Mining Data Analysis
Coursework: Data Structure Computer Network Computer Organization Operating System
Areas of Interest: Computer Vision Machine Vision for Robots

PUBLICATIONS

- **Lower limb bone traction restorer** Design Patent:202330321946.8 2023.5
- **Automatic angle compensation system based on exoskeleton**Invention Patent:2023108241772 2023.7

SELECTED AWARDS

- **Outstanding student of Qingdao University** 2022.12
- **First-class scholarship of Qingdao University**Twice 2022.12 2023.4
- **National Encouragement scholarship** 2023.12
- **Second prize of Shandong Province in the National College Students Mathematical Contest in Modeling** 2023.9
- **Second prize of Shandong Province in Lanqiao Cup** 2023.4
- **Third prize of Shandong Province in Robocom CAIP track** 2023.8