

Education

Shandong University

Degree: Bachelor of engineering

GPA: 92.24/100 (top 3%)

2020.9 – 2024.6

Major: Software Engineering

Experience

- High-frequency Eye Tracking through Event Cameras
Supervisor: Prof. Yiran Shen
 - Design a deep learning-based pipeline to accurately extract pupil region of human eyes recorded by event cameras , achieved improved segmentation of the iris and obtained more accurate pupil center points
 - Proposed a novel hybrid frame-event eye tracking approach bespoke for the collected dataset that can track the pupil at a frequency up to 38.4KHz.
- Anomaly detection based on programmable switch Tofino2
Supervisor: Prof. Yiran Shen and Prof. Wen Hu
 - Conducted experiments under intel tofino2 to measure the performance of BNN and iForest
 - Design a real-time method under tofino2 to extract feature and detect zero-day attacks.
 - Utilized the capabilities of Tofino2 to enhance the efficiency and accuracy of the cluster algorithm.

Publications

High Frequency Event-based Eye Tracking Towards Mental Health Diagnosis

Yurun Yang, Guangrong Zhao, Yiran Shen

- ISMAR 2023

EV-Eye: Rethinking High-frequency Eye Tracking through the Lenses of Event Cameras

Guangrong Zhao, Yurun Yang, Jingwei Liu, Ning Chen, Yiran Shen, Hongkai Wen and Guohao Lan

- NeurIPS 2023

Programming the Cyberscope:Network's Private Doctor for Detecting Anomalous Traffic [unpublish]

Honor

2024	ACM SIGBED Scholars 2024
2023	National Scholarship
2022&2023	The First Prize Scholarship
2022	Wei chai Power Scholarship & National Encouragement scholarship
2021	M Award in the American College Students Mathematical Modeling

Skills

Languages: Mandarin Chinese(native);English(ielts:6.5)

Computers: Proficient with C++, Python, C#, JAVA, P4.
Technical skills include Website development by Vue, JavaScript and HTML App development by Java, Flutter

Experience: Experienced in developing feature-rich campus apps, adept at MVVM, network management, and maintaining high user engagement with practical server solutions.