

Personal CV

Basic Information

Peini SHE, female, Computer Science Major in UNNC

Research Experience

- **Research Project in UNNC** **Feb.27, 2024-Jun.18, 2024**

Project Name: Algorithm for Density Estimation by Classification

Supervisor: Anthony Graham Bellotti

Optimize Kernel Density Estimation (KDE) method to test goodness of fitting at high dimensions and a small number of data points against machine learning methods.

- **2024 NUS SoC Summer Workshop** **Jun.29, 2024-Jul.22, 2024**

Project Name: Artificial Intelligence with Internet of Things—Indoor Health Care System

Supervisor: Wee-Kek Tan

Utilize DHT-11 sensors, raspberryPi cameras, and micro: bit single board controller to monitor indoor conditions and whether people fall. Evaluate them with machine learning models, set up the alarm system and notify the guardian in real time.

Awards

- **Mathematical Contest In Modeling** **May, 2024**

Paper Title: The Swing of Victory: Modeling Triumphs and Tribulations in Tennis

Honorable Prize.