Research on CLEOc and CMS - Xin Shi

CLEOc

- **Service**: Maintenance on CLEOc High Voltage System
  - Hardware: Repair HV board, Co-design the distribution system
  - Software: Design constants manipulation package
- **Analysis**: *D*-Hadronic Branching Fractions Measurement
  - Published the 281 pb^{-1} CLEOc data in PRD
  - Updating on the full CLEOc data 818 pb^{-1} as thesis topic

CMS

- **Tools**: Develop the MET Significance algorithm
  - Implemented the PATMHTProducer on CMSSW
  - Testing the performance with SUSY analysis

Outreach

- Science Leadership Academy
- Tour guide at Wilson Laboratory
- Expand Your Horizons

Working with

- Prof. Alexander & Prof. Ryd
- Members of CU-DHad Group
- Members of CU-EWK Group