



## **My Experience with the Visiting Faculty Program (VFP)**

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FermiFusion Workshop: Uniting Minds for Scientific Advancement

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# I worked with Ricardo Rodriguez at McPherson College this (2024) summer



# Experience and Research: quantum control on entanglement verification

- Research topic that both of us are interested in and is connected to the QIS research at Fermilab
- Hybrid with visiting Fermilab for a few days
- Train a quantum control process to verify the entanglement for pure and mixed quantum states
- On-going: Understand why the control process works and explore the potential to generalize the protocol to other systems

