Activity 1: Finding Your CS Research Field

Building a Secure and Scalable Decentralized Cloud Storage System	Designing secure communication protocols that resist vulnerabilities like eavesdropping, data manipulation, and denial-of-service attacks.	Towards Secure and Reliable Quantum Computing Hardware	Constructing consistent digital line segments
Investigating resource sharing and trading mechanisms between edge nodes to optimize utilization	Designing feedback mechanisms that provide meaningful and actionable insights to support student learning and program improvement.	Efficiently segmenting images with texture	The Computational Complexity of Quantum Annealing
Developing efficient algorithms and hardware architecture for performing machine learning tasks directly on embedded devices.	Establishing fairness metrics for AI models	Developing efficient data partitioning and aggregation techniques for distributed ML architectures	Leveraging explainable AI for anomaly detection large datasets
Leveraging Explainable AI for Real-Time Medical Diagnosis	Building privacy-preserving data mining solutions for bioinformatics	Developing new techniques for visualizing and interacting with real-time data streams in AR/VR environments	Designing distributed and parallel data mining algorithms for processing large datasets on cloud platforms

Instructions:
Review each research topic. **Circle** any topics you might want to read more about *right now*, and **cross out** any that are not of interest. Leave the rest unmarked.