

CSCI-4448/5448: Project Proposal

1. Team: Woncheol Song

Tae Gu Kim

Hui Soon Kim

2. Title: Packet Analyzer

3. Description: An application program to analyze network protocols, visualize packet information and network statistics from packet data in order to assist network administrator for network management.

4. Platform/Environment: C++, C#, Python

5. Programming Languages:

Languages	Woncheol Song	Tae Gu Kim	Hui Soon Kim
C++	Expert	Expert	Intermediate
C#	Intermediate	Beginner	Beginner
Python	Beginner	Intermediate	Intermediate

6. Functionality:

- Show the list of available network protocols and input file formats
- Show payload of packet to users
- Show hierarchical structure(protocol stack) of each packet
- Provide statistical packet analysis tools to users
- Show various graphs for statistical packet analysis to users