



University of Essex

Essex Futures BT– Masters Scholarship 2026-27

Project information: Network threat detection using context awareness.

Network threat detection generally uses network traffic analysis with machine learning to classify malicious traffic as a threat; for example, using features within the traffic such as flow statistics of packet rate and packet interarrival times. This project would draw on research at Essex in information centric and content centric networking by using context as an additional feature in the machine learning to improve threat detection classification performance.