Passive/Active Collection of Bluetooth Low Energy and WiFi 5.0 GHz Devices

The Hume Center at Virginia Tech is currently investigating the security and patterns of life for Bluetooth Low Energy (Bluetooth Smart) and WiFi 5.0 GHz commercial wireless devices. We are utilizing commercial off the shelf (COTS) monitoring hardware to passively and actively monitor these devices in order to determine how these devices operate under different usage scenarios and to determine what information can be provided from monitoring these devices. Selected students will gain experience working with real COTS devices, monitoring hardware and software, and the Linux operating environment. This is a full time (40 hours/week) position.

Eligibility
- Junior or Senior student status in CS/CPE/ECE
- U.S. Citizen
- GPA of 3.0 or greater
- C/C++ programming experience

Preferred
- Linux experience (Ubuntu and/or Kali)
- Previous experience in Wireshark/Kismet/Airtun

To Apply
- Resume
- Unofficial Transcript

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