Course Description

**Focus**: tackling security threats in real-world systems (e.g., OS), protocols (e.g., SSL/TLS), libraries, and IoT platforms. In particular,
- Automated detection of vulnerabilities
- Defenses to mitigate threats

**Goals**: engage students in
- Studying/discussing research articles
- Conducting a research-based project
- Leading to a successful publication

Learning Objectives

- Identify threats, risks, and attack vectors
- Understand **guarantees** and **limitations** of existing **defense** mechanisms
- Gain **hands-on** experience with state-of-the-art **research tools**