CSE 791 Security of Systems, Networking, and IoT

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Learning Objectives

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

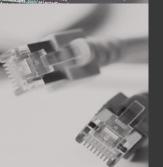


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Course Description

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

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