

CSC 4992: Cyber Security Practice Team Projects

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General Information

- A research project with 3-5 individuals
 - Building a new system
 - Improving an existing technique
 - Performing a large case study
- Deadlines
 - Project proposals due on **Feb 21**
 - Project discussion on **Feb 23**
 - Project presentations are on **April 18 & 20**
 - Project final reports due on **April 20**

Grading

- Project Proposal: 50 points
- Proposal Presentation: 30 points
- Final Presentation: 80 points
- Final Report: 100 points
- Total: 260 points

Project Proposals

- A two-page description
- Title and author list
- Problem statement
 - Describe what the problem is and why it is important
- Related work
 - Write about state-of-the-art solutions to the problem
- Proposed new solution
 - Describe the plan of your proposed approach. Use diagrams or figures if needed
- Evaluation plan
 - Describe your evaluation plan. Effectiveness and performance. What tools/benchmarks/attacks/experiments? What deliverables?

Project Presentations

- Each team has 20 minutes + 5 minutes Q&A
- Two classes for the presentations
- Presentation format may include slides or demo

Project Final Reports

- 10-20 pages, single space, 11 font size
- May contain the following sections
 - Introduction
 - Related work
 - Background
 - System architecture/System design/Technical approach
 - Implementation
 - Evaluation results
 - Discussion (e.g., limitations)
 - Conclusion and future works

Project Final Reports

- Each team must submit a project final report. The report must have a title page, main content, and references. The report should be single-column, 1 inch margins, 11-point size, single-spaced. To facilitate the grading of your report, please follow the suggested organization listed below.
- The title page should include
 - the title of the paper or project
 - team member names and email addresses
 - course name, number, and instructor's name
 - a maximum 300-word abstract
 - three to five keywords.

Project Final Reports: Research Papers

- Introduction
 - (5 points) Discuss the background and motivation of your work.
 - (5 points) Summarize the research problem
 - (5 points) Summarize the proposed approach to the problem and the results
- Related work
 - (15points) Discuss research related to yours and make comparison if there are closely related work.
- Your approach
 - (20 points) Describe your approach in detail. You may present your result in any way you want as long as you believe it's convincing and clear.
- Validation of your approach
 - (30 points) Prove or demonstrate the effectiveness and/or efficiency of your approach. You may do this through theorems, experiments, etc.
- Conclusions and possible future work
 - (10 points) Summarize the conclusions of your work. Future work is optional.
- References
 - (10 points) List all the citations referenced in your paper. You will lose 1 points for each dangling reference (i.e., the reference not cited in the main text).

Teams

- Team 1: Kalie Humbarger, Justin Stryjewski, Joseph Karp, Mikey Ho, Pavan Policherla
- Team 2: Jonathon Kirles, Nate Reiber, Nicholas Gallmeier, Adrian Ionascu
- Team 3: Thomas Anter, Anish Patel, Trevor Malarkey, Yeahyea Uddin
- Team 4: Hind Fathallah, Tasnia Sultana, Anh-David Ngwgn, Amritha Gowda
- Team Stardust Crusaders: Ty Austin, Nick Azzo, Richard Lin, Mark Stiles