

Plan for Today 10/27

- Today's Class Presentations on Major Paper Topic.
- Review: Major Paper Scaffolding.
- Annotated Bibliography for Major Paper — **due tonight.**
- More on Major Paper Storyboard — **due next week.**

Major Paper Scaffolding

- You will have five assignments culminating in your Major Paper:
 - Class Presentation — finished today
 - Annotated Bibliography — due tonight, October 27
 - Storyboard — due next Friday, November 3
 - Major Paper Draft — due Friday, November 17
 - Major Paper Final — due *Monday*, December 4

Major Paper Annotated Bibliography

- Due **tonight** at 11:59pm.
- Your annotated bibliography will consist of:
 - A brief description of your paper's topic, along with a statement of your contestable thesis.
 - Answers to the following five questions about the **six–eight** sources that you will draw on in your paper.
- It **must** be prepared using LaTeX/BibTeX, using the template that I'm providing.
 - “Must” as in if you don't prepare it this way, it won't be graded.

Major Paper Annotated Bibliography

- Five questions are:
 - **What is the citation for the source, using BibTeX?**
 - **What is the type of the source?**
 - Peer-reviewed journal, public intellectual essay, newspaper, website, blog, etc.
 - **What is the authority of the author or authors?**
 - What expertise or relevant experience does this person have? Why do we care about their views on this topic? Is this person biased? If so, how should we take that into account?

Major Paper Annotated Bibliography

- Five questions continued:
 - **What is the source's main argument, or if there are multiple arguments that are relevant to your paper, what are they?**
 - **How do you plan to use this source in support of your contestable thesis.**
- A majority of your sources should be scholarly (from academic journals or conferences, from published books by researchers or experts).
- But you may use sources like newspaper or magazine articles, blogs, etc.

Major Paper Storyboard

- Due Friday, November 3, at 11:59pm.
- Structured as a sequence of slides, created in Powerpoint, Keynote, Google Slides, etc.
- Submitted to Gradescope as a PDF file.
- Consists of:
 - A summary of the topic and a thesis statement.
 - A sequence of *at least six* slides, each consisting of a single claim, supporting evidence for that claim, plus an explanation of how these relate to the larger thesis.

Storyboard Example

- To give you an idea what the topic summary, thesis statement and claims could look like, let's consider an example.
- But note that the example will not include the supporting evidence for the claims, nor discuss how the claims and supporting evidence relate to the larger thesis.

Exceptional Access: Topic

Our society depends on encryption to protect data both at rest and in transit, limiting access to that data to holders of the relevant decryption keys. However, the increasingly widespread use of encryption is making it more difficult for law enforcement agencies to investigate and prosecute crimes, and more difficult for intelligence agencies to prevent catastrophic events including acts of terrorism. This has led to proposals that such agencies be given “exceptional access” — or “backdoor” access — to encryption systems. However such proposals have been criticized by security experts for putting the security and privacy of computer systems at risk.

Exceptional Access: Thesis

Enabling Exceptional Access (EA) for authorized agencies is important for ensuring public safety, but previous proposals for implementing EA put personal privacy and computer security at risk. Instead we should work toward harnessing new advances in cryptography in order to implement EA in a way that protects system security and personal privacy.

Exceptional Access: Claims

1. Access to encrypted data can play a crucial role in preventing catastrophic events by enabling authorized agencies to identify and respond to potential threats.
2. Access to encrypted data can play a crucial role in allowing law enforcement to effectively investigate and prosecute crimes.
3. EA involves a risk of abuse by those with access to encrypted data, which can lead to violations of privacy.
4. Faulty EA mechanisms — including those proposed in the past — may be abused by unauthorized individuals or groups, compromising the security of digital systems.

Exceptional Access: Claims

5. EA should be subject to strict legal frameworks and judicial oversight to ensure that it is only used appropriately and does not violate privacy rights.
6. Although bad actors can always resort to using their own encryption software, granting EA to the default encryption mechanisms deployed by computer manufacturers will still provide benefits to law enforcement and intelligence agencies.
7. Ongoing research in cryptography suggests that EA may be implementable in a balanced manner that gives the government legitimate access, while preserving individual privacy and protecting computer security.

Exceptional Access: Claims

8. The implementation of EA should involve input and feedback from a diverse group of stakeholders, including civil society organizations and technology experts, to ensure that EA systems are designed in ways that balance the needs of government with personal privacy and computer security.

Storyboard Peer Feedback Next Week

- Next week, you'll have an opportunity to get peer feedback on your storyboard.
- You may have time to adjust your storyboard before submission later that night.
- But in any event, the feedback you get will help you as you work on the draft of your major paper.