Project Update Report

Computer Graphics Rendering

University of Alaska Fairbanks

Due Sunday Evening

- Two Parts:
  - Slides
  - Project Update Report
- Today
  - 5 minute presentation
  - What is your project and what problem is it solving?
  - What do you think is the State of the Art (SoA)?
  - What are your goals?

Some Details

- Slides: `lastname.firstname-slides.pdf`

- Project Update: `lastname.firstname-project-update.pdf`

- Due Sunday Evening

- Upload on Blackboard

- Overleaf template: https://www.overleaf.com/read/mjrtyqqvmbdh

Section 1: Introduction

- Two Paragraphs

- What is your project? How will it work?

- What problem is it solving? What are the main methods used to solve it today? Are there any connected disciplines?

Section 2: Previous Research

- Describe the State of the Art (SoA)
- We should not have to go elsewhere to understand the problem
- The reader should go to the references if they want detail
- What are the advantages or disadvantages of competing methods?

Section 3: Proposed Solution

- Two paragraphs + a table

- How do you intend to implement your solution? What data will you collect to understand the results of your solution?
    - What question is my program designed to answer?
    - What kind of data will be needed for later analysis?
    - How much data will be needed?
    - How is the data going to be collected?
    - Does the data need to be sampled, or can it be wholly analyzed?
    - How will I display this data?

- What is the algorithm that is being used to solve the problem?

Section 3: Proposed Solution

METES	Approach
Measurement	How will you measure performance?
Experience	What will the user experience or interaction be like?
Tools	What tools do you plan to use for implementation or analysis?
Experiment	How is your experiment designed?
Standards	Are there standard benchmarks for testing similar problems/solutions?

Section 4: SMART Goals

- Talk about your goals for your project. In particular we want to use SMART goals.
  - S   Specific
  - M   Measurable
  - A   Achievable/Attainable
  - R   Realistic/Relevant
  - T   Timely

- Use the tables in the template to help

Section 5: Conclusion

- One paragraph
- Summarize your paper for the reader

Bibliography

- Undergraduate Section
  - 5 journal or conference articles
  - 1 in the last three years
  - As many as you want for news articles, books, white papers, product websites, or Wikipedia
- Graduate sections
  - 8 journal or conference citations
  - 3 in the last three years
  - As many as you want for news articles, books, white papers, product websites, or Wikipedia

Good Writing

- Good technical writing is a valuable skill
- Perhaps everyone cannot be a great writer, but everyone can learn to be a good writer
- Example: Sentences
  - Expressing a complete thought without extra words, passive voice, etc.
  - Good grammar software can help (e.g. Grammarly, MS Word, etc)
  - A valuable skill is technical writing that is good
- Example: Paragraphs
  - The topic sentence states the main thought
  - The remaining sentences support this main thought
- Please see advice at the end of the template