

# Title of Your Senior Thesis Proposal

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## Abstract

Provide a concise summary of your proposed research. Remember that the abstract is *not* an introduction, it is a *summary* of the entire document. It makes sense to wait to write the abstract until the rest of the document has been written.

## 1 Introduction

Provide an intuitive motivation for and introduction to your proposed senior thesis research. Whenever possible, you should use one or more concrete examples and technical diagrams.

## 2 Related Work

Summarize the previously published papers and books that are related to your proposed research. Whenever possible, you should compare and contrast your approach with the ones that have been discussed in the past. As you describe your papers, please make sure that you cite them properly [1].

## 3 Method of Approach

Use technical diagrams, equations, algorithms, and paragraphs of text to describe the research that you intend to complete. See the  $\text{\LaTeX}$  source file for the proposal to learn how Figure 1 and Table 1 were included. Be sure to number all figures and tables and to explicitly refer to them in your text.

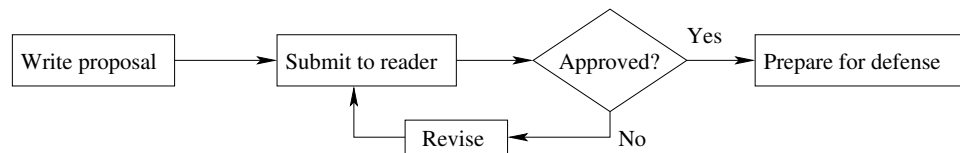


Figure 1: Flow graph for proposal-writing

## 4 Evaluation Strategy

Explain what steps you will take to evaluate your proposed method. If you intend to conduct experiments, then you must clearly define your evaluation metrics.

Task	Begin Date	End Date
First draft	Now	20 Sept
Second draft	20 Sept	27 Sept
Third draft	27 Sept	4 Oct
Fourth draft	4 Oct	11 Oct
Fifth draft	11 Oct	18 Oct

Table 1: Proposed work schedule

## 5 Research Schedule

Identify the main phases and tasks of your research project and set deadlines for when you will be able to complete each of these items.

## 6 Conclusion

Provide a summary of your proposed research and suggest the impact that it may have on the discipline of computer science. If possible, you may also suggest some areas for future research [2].

## References

- [1] Alexander P. Conrad, Robert S. Roos, and Gregory M. Kapfhammer. Empirically studying the role of selection operators during search-based test suite prioritization. In *Proceedings of the ACM SIGEVO Genetic and Evolutionary Computation Conference*, Portland, Oregon, July 2010.
- [2] Yue Jia and Mark Harman. An analysis and survey of the development of mutation testing. *Software Engineering, IEEE Transactions on*, 37(5):649–678, 2011.