[Project Title]

Final Project Report for ECE59595-ASE

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***Abstract*—Abstract goes here.**

Please give an overview of the project, do make sure you include the following: 1) What is the problem statement, why does this matter? (I recommend 1 paragraph here) 2) Provide a view of the insight (e.g., we can do x to obtain a yy benefit, or we can measure i to understand j better) 3) Close with a bit of an overview of the results (e.g., our methods outperform the state of the art by XX%)

***Index Terms*—keywords-here**

I. Introduction

This section should include a broader overview of the work. All in all, spend a bit more time covering the elements of the abstract, and outline the work in a bit more depth.

An introduction should help me understand what you did, why you did it the way you did, and why do you think the work is *sound*.

This section should probably be half a page to $\frac{3}{4}$ of a page.

II. Background & Stated Goals

Provide some information about the literature that you used to develop your project. Aim for a handful of paragraphs. Don't go too hard. If this is taking more than half a page (1-column), you're doing too much.

This is a building project, so making sure that you provide a relationship between the work that you're doing and the topics from the class that's the most important part of this section. I'm adding one citation of an academic article here **?** and a website here **?** so you know how citations look like.

A. Project Goals

Please outline what exactly are you building. This is probably easy if for example you have a good description of the GitHub issue or so. Please be as explicit as possible, don't aim to say too much. For example, if the task was "we basically had to figure out where to put this one line of code but hoo boy was it hard" that's great — tell me that.

III. Architecture & Results

Here describe how did you come with your solution. In this section you need to describe:

- What are you supposed to do, and why is it *sound*.
- What did you do, and what *happened*
- Provide a diagram of the software architecture of what you built. Remember there are various types of diagrams (e.g., contextual, structural, etc). Identify what the best diagram is for the purpose of your contribution.

All in all, this is the meat of the work, please show information about why what you did is important and how will you carry it forward. 1-2 pages is reasonable for this.

IV. Discussion

A discussion section is usually a place where you explore further implications of your work. Take, for example, the findings could have implications about other work.

A. Implementation challenges

Tell me if someting you did didn't go your way. Here you can convince me that there were unforseen circumstances, and whether you adjusted in the best way possible. For example, you were trying to implement this using library X but library X isn't compatible with the codebase you were working with.

B. Alternative Approaches

This is also good place to talk about why what you did didn't work, as well as other approaches you tried and why they didn't work.

C. Community Interactions

If you spoke with OSS contributors, I recommend spending 1-2 paragraphs here outlining the interaction. Did you learn something? was it easy? hard? do you think they will take your contribution if we gave it more months? did they already take it?

V. Conclusion

Close the paper, review what you did, and close things up.

Where the abstract is usually a section telling us what you did and a "teaser" of the results, a conclusion would instead remind us of all of what you covered. You can think of a conclusion as a "retrospective abstract."

References

Have you ever locked yourself in the bathroom to read? https://forums.onlinebookclub.org/viewtopic.php?t=16313.

Hongying Dong, Hao Shu, Vijay Prakash, Yizhe Zhang, Muhammad Talha Paracha, David Choffnes, Santiago Torres-Arias, Danny Yuxing Huang, and Yixin Sun. Behind the scenes: Uncovering tls and server certificate practice of iot device vendors in the wild. In *Proceedings of the 2023 ACM on Internet Measurement Conference*, pages 457–477, 2023.