

Research Plan

Topic: Cool research topic

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Which problem do I want to address or solve?

**Is it a practical solution or filling a knowledge gap?*

Why is this relevant? Why should I read this? Why should I care?

**What are the potential implications of solving this problem? Quantitative improvements? New capabilities? Broader impact?*

Related Literature

**Add around 2-5 key papers or works related to your problem? State their extent, limitations, gaps, and how your problem relates to them. How far are current approaches from the top possible performance in the problem?*

How? Solution Proposal

4.1 What tools do you already have?

**List related existing tools, datasets, implementations, frameworks available, or potential fellows to talk with. Ask the lab members and your supervisor about it.*

4.2 Proposed solution described in a general way

**What are the claims of the proposed solution?*

What am I going to do?

**List required software implementations, theoretical work (research, proofs...), or possible experiments that come to your mind. No need for a thorough plan, keep it at the highest level, and we will work from it. LIST SPECIFICALLY WHAT ARE MISSING/CRITICAL PARTS!*

Expected Results / Outcomes

What are the expected outcomes of your experiments? Do these outcomes validate your claims? What is the minimal success criterion to consider your work convincing?

Measures of Success, Milestones, and Good Indicators

List your major milestones (e.g., problem formulation, prototype, experiment 1, evaluation, etc.) What objective indicators or metrics will you use to measure progress at each milestone? Are your milestones aligned with your original problem definition and success criteria?
