

## Paper Reading Check List

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Here's a list of questions you may want to keep in mind when reading papers:

### Context and Problem Statement:

- What problems are the authors trying to solve?
- Are they important problems? Why or why not?

### New Idea:

- What new architecture, algorithm, mechanism, methodology, or perspective are the authors proposing?
- (How is the new idea different from all other ideas to solve the same problem?)

### What to Evaluate?

- What, according to the authors, need to be evaluated to confirm the worthiness of their new idea?
- Runtime? Throughput? Cache miss ratio? Utilization?

### How to Evaluate?

- How did the authors go about conducting the evaluation?
- Did they prove theorems?
- Did they run simulations?
- Did they build a system?
- Did they collect traces from existing systems?

### Was the Evaluation Correct and Adequate?

- How was their data collection done?
- Do you agree with their analysis of the data?
- Do you agree with their conclusions about the data?
- Do you have new interpretation of their data?
- Can you suggest new ways to evaluate their idea?

### Limitations, Drawbacks, Extensions:

- Can you think of other aspects of their idea that need to be evaluated?
- Can you think of extensions or modifications to their idea to improve it?
- How would you evaluate your improvement?
- Can you apply their idea or method of evaluation to your own project?