

Rubric

| Grading Criteria | Full | Partial | Grade |
|--|---|---|-------|
| Documentation (10 points) | Fully Commented Code with Readme | Missing commentary in some file | |
| Paper (25 points) | Fully discussed concept, implementation, result, and analysis with diagrams. | Missing some key ideas | |
| Working sequential version (20 points) | Fully working sequential A* Search | Some bugs found | |
| Working parallelization using concurrent priority queue and bi-directional A* search (25 points) | Fully uses concurrent priority queue and multithreading. Bi-directional uses multithreading with paths meeting in the middle. | Fail to consider some edge cases. Implementation has some bugs. | |
| Display (20 points) | Display accurate maze. Animation shows start and ending point as well as the optimal path. | Some bugs found | |