Master Thesis Report

# Project Summary

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| Report date | Project Name | Prepared By |
| 25/09/2019 | Chatbot with BERT | Gongqi Lin |

# Status Summary

Complete literature review

Complete a demo single web page that lets user to input a passage and five questions, the system will use google BERT, SQuAD dataset to find the answer. If the system cannot find out the answer in the passage, it will look up the answer from Wikipedia.

Next steps: improvement – use conceptnet.io together with Wikipedia build knowledge base for answering the no-answer question in the passage.

# Project Overview

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| --- | --- | --- | --- | --- |
| task | % Done | Due date | status | notes |
| [Stage I] Literature Review | 100% | 22/08/19 | Done |  |
| [Stage I] Basic NLP concept, such as transformer, attention-based model | 100% | 22/08/19 | Done |  |
| [Stage I] Self-learning Python | 100% | 22/08/19 | Done | Basic Python |
| [Stage II] Code Review | 100% | 27/09/19 | Done | Review some BERT implementation in GitHub |
| [Stage II] Setup Experimental Environment | 100% | 27/09/19 | Done | Local machine |
| [Stage II] Sample Code Implementation | 100% | 10/09/19 | Done |  |
| [Stage III] Build chatbot model based on Stage I |  | 18/10/19 |  |  |
| [Stage III] Build chatbot application based on the model and Stage II |  | 18/10/19 |  |  |
| Report document |  | 18/10/19 |  |  |
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# problem Overview

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| category | problem | reason | on track? | notes |
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# CONCLUSIONS/RECOMMENDATIONS

Your Signature:

Date: