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| School of Computing  Faculty of Engineering |

Control System (AI) for Wrestling Robot

Fanhui Meng

Submitted in accordance with the requirements for the degree of  
MSc Advanced Computer Science (AI)

**Session 2019/2020**

The candidate confirms that the following have been submitted*:*

*<As an example>*

|  |  |  |
| --- | --- | --- |
| **Items** | **Format** | **Recipient(s) and Date** |
| *Deliverables 1* | *Report* | *SSO (xx/xx/xx)* |
| *Deliverables 2* | *Code and URL* | *SSO (xx/xx/xx)* |
| *Deliverable 3* | *Youtube video URL* | *Supervisor, assessor (xx/xx/xx)* |
| *Deliverable 5* | *User manuals* | *Client, supervisor (xx/xx/xx)* |

Type of Project: Exploratory Software

The candidate confirms that the work submitted is their own and the appropriate credit has been given where reference has been made to the work of others.

I understand that failure to attribute material which is obtained from another source may be considered as plagiarism.

(Signature of student)

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# Summary

*<Concise statement of the problem you intended to solve and main achievements (no more than one A4 page)>*

***<Reminder about basic requirements of layout and format:***

***The report must be in typescript, sequentially page numbered, on A4, single or double-sided, with 1in margins. Point size 11 and one-and-a-half line spacing should be used.***

***Page Numbering: The pages preceding the body of the text, i.e. from "Summary" to "Contents" inclusive, should be sequentially numbered in Roman numerals. All the remaining pages should be numbered in a single sequence of Arabic numerals.***

***Length: The main body of a 60 credit project report must be no longer than 60 pages (i.e. excluding appendices and references). The limit for 40-credit projects is 50 pages.>***

# Acknowledgements

*<This page should contain any acknowledgements to those who have assisted with your work. Where you have worked as part of a team, you should, where appropriate, reference to any contribution made by others to the project.*

*Note that it is not acceptable to solicit assistance on ‘proof reading’ which is defined as “the systematic checking and identification of errors in spelling, punctuation, grammar and sentence construction, formatting and layout in the text”; see* [*http://www.leeds.ac.uk/qat/documents/policy/Proof-reading-policy.pdf*](http://www.leeds.ac.uk/qat/documents/policy/Proof-reading-policy.pdf)*. >*

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# Chapter 1 Level 1 Heading with ‘heading 1’ Style Applied by Pressing Ctrl Shift 1

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## 1.1 Level 2 Heading with ‘heading 2’ Style Applied by Pressing Ctrl Shift 2

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# Chapter 2 Tables and Figures

## 2.1 Tables using the ‘table caption’ and ‘table description’ Styles

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**Table 2.1** Caption of Table — automatically appears in the List of Tables when that is updated The ‘table caption’ style has been applied to this paragraph by pressing Ctrl Shift T.

This is the table description in the ‘table description’ style. It is optional text to give more information about the table and does not appear in the List of Tables.

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| **Heading One** | **Heading Two** | **Heading Three** |
| 1.1 | 1.2 | 1.3 |
| 1.21 | 1.22 | 12.3 |
| 12.31 | 12.32 | 12.33 |

## 2.2 Figures using the ‘figure caption’ and ‘figure description’ Styles

Figures can be added using the Illustrations section of the Insert tab.



**Figure 2.1** Caption of Figure — automatically appears in the List of Figures when that is updated. The ‘figure caption’ style has been applied to this paragraph by pressing Ctrl Shift F.

This is the figure description in the ‘figure description’ style. It is optional text to give more information about the figure and does not appear in the List of Figures.

# List of References

*<It is expected that the list would reflect the breadth and depth of scholarly research undertaken by the student during the course of the project.>*

# Appendix A External Materials

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#### A.1.1.1 Level 4 Heading with ‘heading 4’ Style Applied by Pressing Ctrl Shift 4

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# Appendix B Ethical Issues Addressed

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## B.1 Level 2 Heading

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1. Footnote inserted using Insert Footnote on the References tab. [↑](#footnote-ref-1)