## Masters Project 21-Jun-2017

http://

Project manager Tom

**Project dates** 05-Jun-2017 - 11-Sep-2017

Completion15%Tasks58Resources1

#### 2

# Tasks

Name	Begin date	End date
Literature review draft	05/06/17	06/06/17
Simple working game	05/06/17	10/06/17
Complete game	05/06/17	13/06/17
Implement matches for gems	05/06/17	09/06/17
Implement removeable ice	05/06/17	09/06/17
Implement uncoverable medals	05/06/17	09/06/17
Implement 'gravity' for gems	05/06/17	10/06/17
Implement animations	05/06/17	11/06/17
Implement scoring system	05/06/17	12/06/17
Implement 5 row bonus	12/06/17	13/06/17
Implement T bonus	12/06/17	13/06/17
Implement combo scores	12/06/17	13/06/17
Set up game for Al	14/06/17	19/06/17
Design state representation	14/06/17	15/06/17
Method to get game state	14/06/17	19/06/17
Set up methods for AI to call	14/06/17	19/06/17
Build naive AI version 1	21/06/17	22/06/17
Implement random policy/move selection	21/06/17	22/06/17
Connect AI to game	21/06/17	22/06/17
Collate training data from version 1	21/06/17	22/06/17
Build naive AI version 2	23/06/17	28/06/17
Design search, policy, evaluation (s,p,e)	23/06/17	24/06/17
Implement s,p,e	24/06/17	26/06/17
Connect AI to game	26/06/17	28/06/17
Collate training data from version 2	26/06/17	28/06/17

# Tasks

Gather and collate training data       14/06/17       27/06/17         Set up game to output state to a file       14/06/17       20/06/17         Set up game to distribute to users       14/06/17       20/06/17         Distribute game for gathering data       23/06/17       27/06/17         Build NN1 with hand selected features       27/06/17       04/07/17         Design and build NN1       27/06/17       30/06/17         Train NN1       30/06/17       02/07/17         Connect NN1 to game       03/07/17       04/07/17         Build NN2 which learn full evaluation function       06/07/17       14/07/17         Design and build autoencoder       06/07/17       07/07/17         Build NN2 with learned features       10/07/17       10/07/17         Train NN2       10/07/17       13/07/17         Connect NN2 to game       13/07/17       14/07/17         Integration       17/07/17       21/07/17         Integration of work with ED       17/07/17       21/07/17         Write proposal       12/06/17       20/06/17         Draft       12/06/17       20/06/17         Final       15/06/17       20/06/17         Outline of dissertation       12/06/17       21/06/17 <t< th=""><th>Name</th><th>Begin date</th><th>End date</th><th></th></t<>	Name	Begin date	End date	
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Build NN2 which learn full evaluation function Design and build autoencoder Build NN2 with learned features 10/07/17 10/06/17	Train NN1	30/06/17	02/07/17	
Design and build autoencoder       06/07/17       07/07/17         Build NN2 with learned features       10/07/17       10/07/17         Train NN2       10/07/17       13/07/17         Connect NN2 to game       13/07/17       14/07/17         Integration       17/07/17       21/07/17         Integration of work with ED       17/07/17       21/07/17         Write proposal       12/06/17       20/06/17         Draft       12/06/17       13/06/17         Final       15/06/17       20/06/17         Write Dissertation       12/06/17       13/08/17         Outline of dissertation       12/06/17       26/06/17         Literature review       12/06/17       21/06/17         Definition of problem       03/07/17       03/07/17	Connect NN1 to game	03/07/17	04/07/17	
Build NN2 with learned features       10/07/17       10/07/17         Train NN2       10/07/17       13/07/17         Connect NN2 to game       13/07/17       14/07/17         Integration       17/07/17       21/07/17         Integration of work with ED       17/07/17       21/07/17         Write proposal       12/06/17       20/06/17         Draft       12/06/17       13/06/17         Final       15/06/17       20/06/17         Write Dissertation       12/06/17       13/08/17         Outline of dissertation       12/06/17       26/06/17         Literature review       12/06/17       21/06/17         Definition of problem       03/07/17       03/07/17	Build NN2 which learn full evaluation function	06/07/17	14/07/17	
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Definition of problem 03/07/17 03/07/17	Outline of dissertation	12/06/17	26/06/17	
'	Literature review	12/06/17	21/06/17	
·	Definition of problem	03/07/17	03/07/17	
	·	03/07/17	03/07/17	

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## Tasks

Name	Begin date	End date
Why is it novel	03/07/17	03/07/17
Methodology for NN1	03/07/17	06/07/17
Half draft	12/06/17	02/07/17
Full methodology including NN2, search, policy	10/07/17	24/07/17
Full draft	12/07/17	31/07/17
Final Copy	31/07/17	13/08/17
Submit ethics form	04/07/17	04/07/17
Beginning of inspection week	10/07/17	10/07/17
Presentation week	21/08/17	21/08/17
Deadline for dissertation	11/09/17	11/09/17

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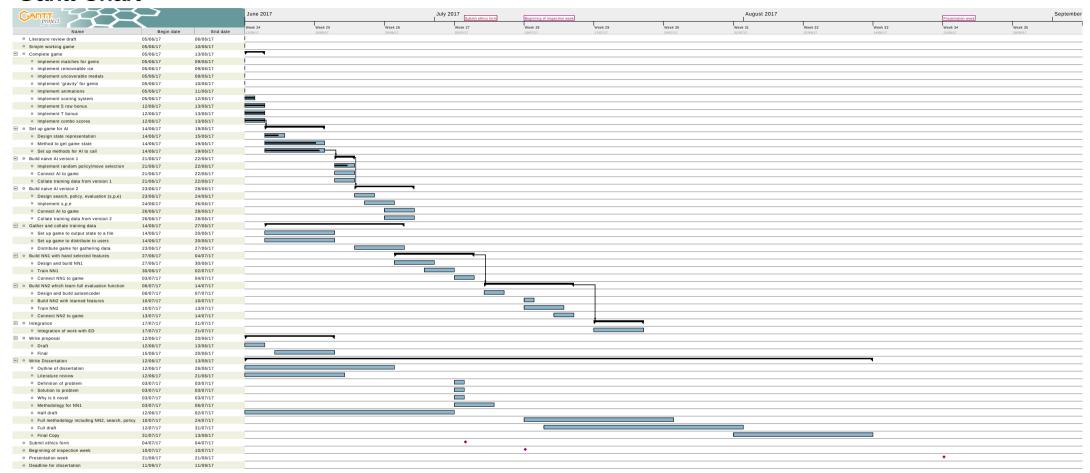
### Resources

Name	Default role
Tom	project manager

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#### **Gantt Chart**



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### **Resources Chart**

June 2017

June 2017

Septemb

@ Tom

om project manage