



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 AI	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
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
Build Monte Carlo Search Tree	17/07/17	21/07/17
• Design and build MCST	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
• Solution to problem	03/07/17	03/07/17
• 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 ethic 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

