

NPC Dialog with IBM Watson

Kyungtae Han

Pygame does **not support built-in Dialog.**

Dialog specially programmed by Kyungtae Han.



MattROse · 4 yr. ago

Well, pygame doesn't directly have built-in dialogs or text boxes, so you would program that yourself.

The simplest way would be blitting a text surface when the player collides with the NPC.

https://www.reddit.com/r/pygame/comments/9w3ymp/how_to_add_dialogue_to_npcs/

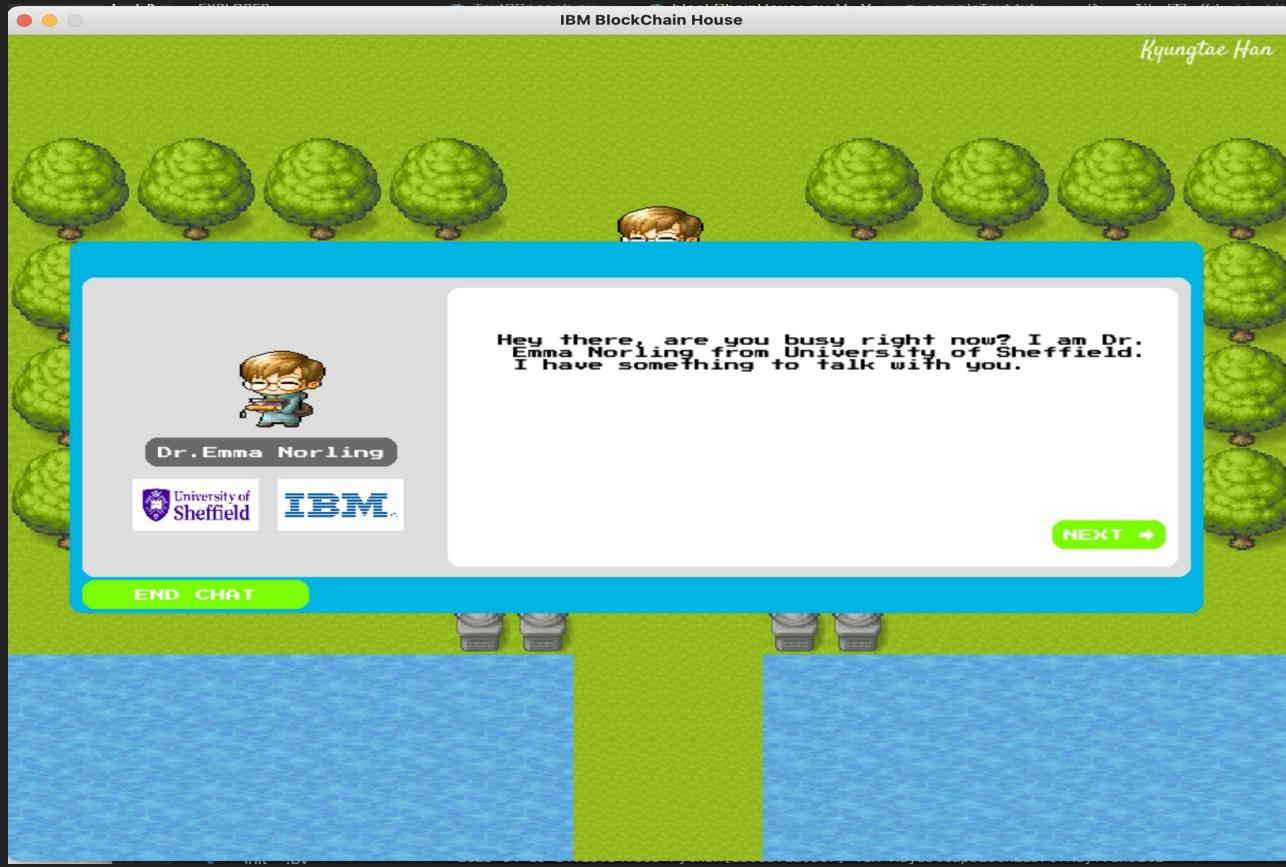
Implemented Technology in Dialog

- IBM Watson Text-To-Speech
- Pygame
- Data Structures and Algorithms

Dr. Emma Norling NPC

Dr. Emma Norling NPC

- Bibliography : <https://www.sheffield.ac.uk/dcs/people/academic/emma-norling>
- Specially designed by Kyungtae Han
- All NPC dialogues, based on the introduction above.
- Home NPC



Available Button

- End chat
- Next



Dr. Emma Norling



IBM

Again, I'm Emma Norling, Senior University teacher. I obtained BEng (Hons) from the University of Melbourne, worked as a tutor and lecturer in the Department of Computer Science at this institution, moving on to complete my PhD in Computer Science here. I undertook postdoctoral studies in the Centre for Policy Modelling (Manchester Metropolitan University), before moving into a lecturing position in the School of Mathematics, Computing and Digital Technology there.

← PREV NEXT →

END CHAT

Available Button

- End chat
- Prev(ious)
- Next

Kyungtae Han



Dr. Emma Norling



IBM

Please look at my Google Scholar Page to get to know me. Here is the link: <https://scholar.google.com/citations?user=j3qu6zUAAAAJ&hl=en>. My email is : e.j.norling@sheffield.ac.uk . My office is Department of Computer Science, Regent Court (DCS), 211 Portobello, Sheffield, S1 4DP, Sheffield, United Kingdom.

[← PREV](#) [NEXT →](#)

END CHAT

- Available Button
- End Chat
 - Prev(ious)
 - Next



Dr. Emma Norling



IBM

We are currently working with IBM on AI, especially cooperating with AI Group Project. The University of Sheffield is planning to reach top 1-tier list as Stanford, MIT, and Harvard.

◀ PREV NEXT ▶

END CHAT

- Available Button
- End Chat
 - Prev(ious)
 - Next



Dr. Emma Norling



IBM

END CHAT

Do you wanna go our initial model IBM Block Chain Minigame? This reflects my research interests centred around agent-based systems, particularly agent-based modelling of human behaviour, from cognitive modelling to social simulation! Oh! it might be incorporated into computational models, both in the context of improving models of human behaviour, and also in designing better computational and robotic interfaces. (Automatically send you to IBM BlockChain Arcade Zone!)

← PREV

YES

NO

- Available Button
- End Chat
 - Prev(ious)
 - Yes
 - No

Dr. Matthew Ellis NPC

Dr. Matthew Ellis NPC

- Bibliography :
<https://www.sheffield.ac.uk/dcs/people/academic/matt-ellis#:~:text=Dr%20Matthew%20Ellis%20is%20a,Roy%20Chantrell.>
- Specially designed by Kyungtae Han
- All NPC dialogues, based on the introduction above.
- Easy Mode NPC
- Designed to send character to Dr.Emma Norling in Home.

Score: 0

- Available Button
- End Chat
 - Next

Hey there, have you come here from Dr. Emma Norling? Congratulations! You finally have reached here and completed the game!



Dr. Matthew Ellis



IBM

NEXT ➔

END CHAT

Dr. Matthew Ellis

Kyungtae Han

Score: 0

Dr. Matthew Ellis



IBM

END CHAT

I'm Matthew Ellis, the lecturer in Machine Learning and member of the Machine Learning Group at the Department of Computer Science. I graduated with a MPhys in Theoretical Physics from the University of York in 2011, before staying at York to undertake a PhD in Physics under Prof. Roy Chantrell.

[← PREV](#) [NEXT →](#)

Dr. Matthew Ellis

Kyungtae Han

Available Button

- End Chat
- Prev(ious)
- Next

Score: 0

Dr. Matthew Ellis



IBM

After completing my PhD in 2015, I joined the group of Prof. Stefano Sanvitto at Trinity College Dublin as a post-doctoral research fellow. In 2019, I joined the University of Sheffield as a post-doctoral research associate in the Bio-Inspired Machine Learning group under Prof. Eleni Vasilaki developing machine learning models for neuromorphic computing in collaboration with the Department of Materials Science.

← PREV **NEXT →****END CHAT**

Dr. Matthew Ellis

Kyungtae Han

- Available Button
- End Chat
 - Prev(ious)
 - Next

Score: 0**Dr. Matthew Ellis****IBM**

We are currently working with IBM on Watson Text-To-Speech, especially cooperating with AI Group Project. The University of Sheffield is planning to reach top 1-tier list as Stanford, MIT, and Harvard.

← PREV **NEXT →****END CHAT****Dr. Matthew Ellis***Kyungtae Han*

- Available Button**
- End Chat
 - Prev(ious)
 - Next



Score: 0



Dr. Matthew Ellis



This is what I've got to talk with you today. Do you want to go back to Dr. Emma Norling? (Automatically takes you to Dr. Emma Norling! If not, you can still leave with above exit button!)

← PREV

END CHAT

YES

NO

Dr. Matthew Ellis

Kyungtae Han

- Available Button
- End Chat
 - Prev(ious)
 - Yes
 - No

Dr.Roger Moore NPC

Dr. Roger Moore NPC

- This NPC is based on Professor Roger Moore, University of Sheffield.
- Bibliography : <https://www.sheffield.ac.uk/dcs/people/academic/roger-k-moore>
- Medium Mode NPC
- Designed to send character to Hidden Map of Medium Mode.

Available Button

- End Chat
- Next



Dr. Roger Moore



Hey there, have you come here from Dr. Emma Norling? Congratulations! You finally have reached here and completed the game!

NEXT →

END CHAT

Dr. Roger Moore

Kyungtae Han



Available Button

- End Chat
- Prev(ious)
- Next



Dr. Roger Moore



IBM

I'm Roger Moore, the Professor of Spoken Language Processing and Member of the Speech and Hearing (SpandH) research group at the Department of Computer Science. I have gained over 40 years' experience in Speech Technology R&D and, although an engineer by training, much of my research has been based on insights from human speech perception and production.

← PREV NEXT →

END CHAT

Dr. Roger Moore

Kyungtae Han



- Available Button
- End Chat
 - Prev(ious)
 - Next



Dr. Roger Moore



IBM

Since 2004, I have been Professor of Spoken Language Processing at the University of Sheffield, and also holds Visiting Chairs at Bristol Robotics Laboratory and University College London Psychology & Language Sciences. I was President of the European/International Speech Communication Association from 1997 to 2001, General Chair for INTERSPEECH-2009 and ISCA Distinguished Lecturer during 2014-15.

[← PREV](#) [NEXT →](#)[END CHAT](#)

Dr. Roger Moore

Kyungtae Han



Available Button

- End Chat
- Prev(ious)
- Next



Dr. Roger Moore



IBM

We are currently working with IBM on Watson Text-To-Speech, especially cooperating with AI Group Project. The University of Sheffield is planning to reach top 1-tier list as Stanford, MIT, and Harvard.

← PREV NEXT →

END CHAT

Dr. Roger Moore

Kyungtae Han



- Available Button
- End Chat
 - Prev(ious)
 - Yes
 - No



Dr. Roger Moore



IBM

This is what I've got to talk with you today. Do you want to go back to Dr. Emma Norling? (Automatically takes you to Dr. Emma Norling! If not, you can still leave with above exit button!)

← PREV

YES

NO

END CHAT

Dr. Roger Moore

Kyungtae Han

The Unknown (The King)
NPC

The Unknown (The King) NPC

- Hard mode NPC
- Specially designed to send the character to Hidden Map of Hard Mode.

Available Button

- End Chat
- Next



The Unknown



IBM

Hey there, have you come here from Dr. Emma Nörling? Congratulations! You finally have reached here and completed the game!

NEXT →

END CHAT



Kyungtae Han



The Unknown



IBM

(Spy keeping silence and then start talking
... Is anybody crossing nearby? No? OK. It
is time to take off my mask and serve my du
ty !!!!

← PREV NEXT →

END CHAT



Kyungtae Han

Available Button

- End Chat
- Prev(ious)
- Next



The King



IBM

I'm the King of this IBM BlockChain World,
and my duty is to send you to Secret Hidden
Map of IBM BlockChain. Are you ready to be
there?

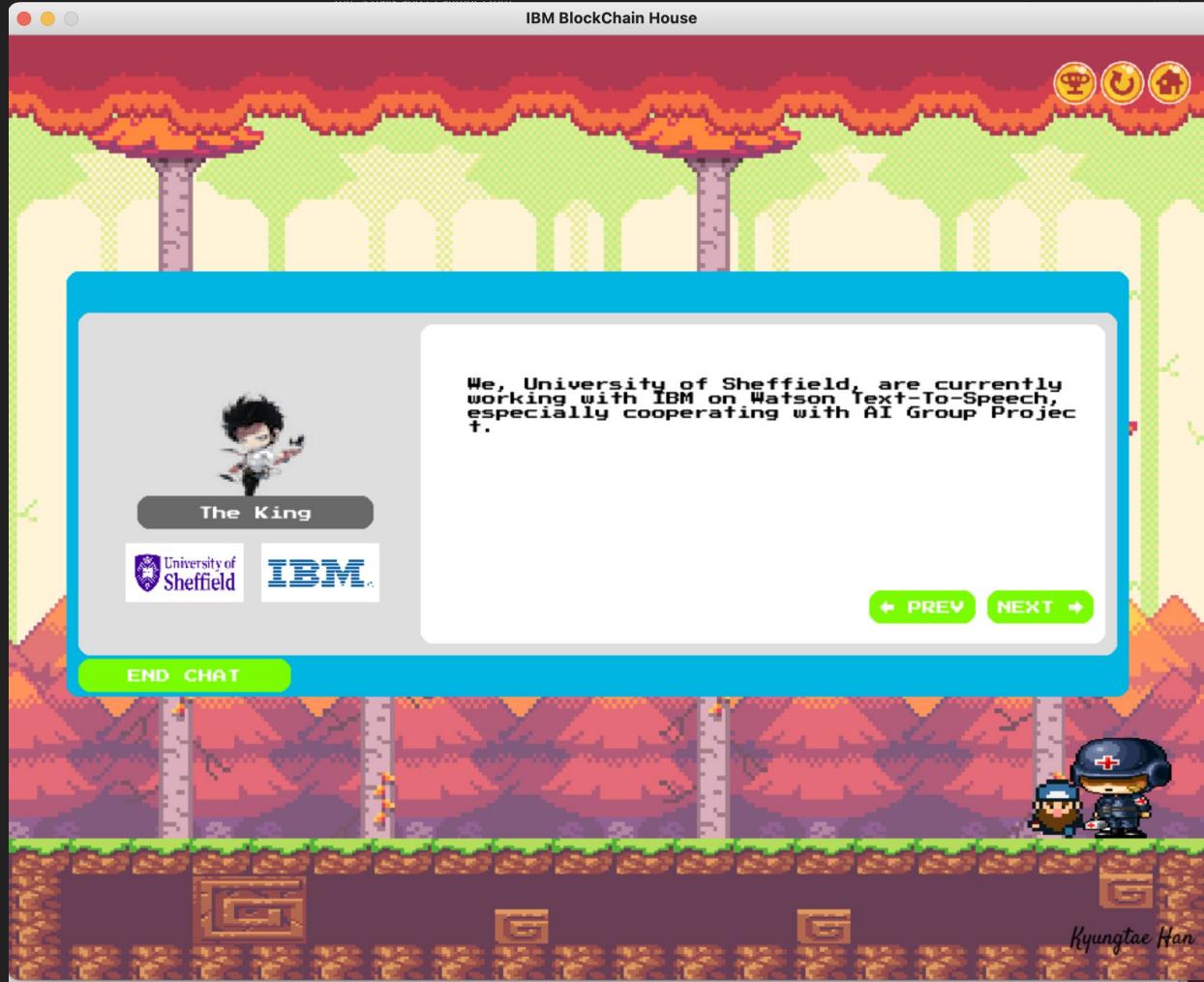
← PREV NEXT →

END CHAT



Kyungtae Han

- Available Button
- End Chat
 - Prev(ious)
 - Next



Available Button

- End Chat
- Prev(ious)
- Next



The King



IBM

(Murmuring to you...) I'm gonna hide again.
Are you ready to go to Hard Mode of IBM Bi
ockChain Hidden Map? (Click Yes to start.)

← PREV

YES

NO

END CHAT



Kyungtae Han

- Available Button
- End Chat
 - Prev(ious)
 - Yes
 - No

IBM Blockchain Quiz NPC

(IBM Blockchain) Quiz NPC

- Designed based on the information of IBM Blockchain
- Bibliography : <https://www.ibm.com/topics/blockchain>
- After dialogues, starting Quiz right away.

Score: 0

Quiz NPC



IBM

I am Quiz NPC of IBM BlockChain World. Who are you there?

[← PREV](#) [NEXT →](#)[END CHAT](#)

Dr. Matthew Ellis

Kyungtae Han

Available Button

- End Chat
- Prev(ious)
- Next

Score: 0

- Available Button
- End Chat
 - Prev(ious)
 - Next



Quiz NPC



IBM

END CHAT

..... (Guards keeping Silence)

K: Seems like you don't have any intentions
to reply my questions.

← PREV

NEXT →

Dr. Matthew Ellis

Kyungtae Han

Score: 0

Quiz NPC



IBM

We are the Unknown Spy from IBM. Our duty is to ask you IBM BlockChain Quizzes. Are you ready to solve the questions?

[← PREV](#) [NEXT →](#)[END CHAT](#)

Dr. Matthew Ellis

Kyungrae Han

Available Button

- End Chat
- Prev(ious)
- Next

Score: 0

- Available Button
- End Chat
 - Prev(ious)
 - Next

Score: 0

Quiz NPC



If you are ready, click Yes to start IBM BlockChain Quizzes. I will serve my duty until I die!!! (IBM the Unknown Spy speaking with Grandiosity.)

← PREV

END CHAT

YES

NO

Dr. Matthew Ellis

Kyungtae Han

1/1 read

- Available Button
- End Chat
 - Prev(ious)
 - Yes
 - No

Technical Design

Code Inspection

How is the NPC Dialog made

- Stack Oriented Design
- Object Oriented Design
- Game Architecture

Comment: Every single thing here is basically **object composition**. Some buttons are controlled by Boolean values.

Designs are inspired from Maplestory South Korea.

