

Alex Clay  
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## Personal Profile

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I am a PhD candidate researching AI at City, University of London. I enjoy learning new things and working on innovative projects. My strengths focus on my ability to learn and adapt quickly, as well as having good communication and team working skills. I am particularly interested in conversational agents, artificial intelligence, and machine learning.

## Education

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### **PhD in Computer Science**

City, University of London (*Oct 2021—Present*)

Thesis Title: A Cognitively Inspired Architecture for Conversational Agents

*Transfer from MPhil to PhD successfully completed April 2023*

### **BSc (Hons) Computer Science - Class I**

City, University of London (*Sept 2018—Jul 2021*)

#### Notable Classes:

Agents & Multi-Agent Systems, Programming and Maths for AI, and Computer Vision

#### Final Year Project:

Episodic Memory Method for AI: A system for determining whether the addition of an episodic memory component to a semantic system would impact the result of a query to the system.

## Experience

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### **Software Engineering Intern**

BuzzFeed (*Jun - Aug 2021*)

- Developing a quiz playlist API in GO
- Collaborating with other team members to improve and build software solutions
- Participating in group discussions, receiving feedback, and presenting work

### **Technology Intern**

HomeHero (*Jul - Sept 2020*)

- Providing creative solutions using AWS
- Creating the dialogue engine behind the chat mechanism

### **Junior Developer**

HomeHero (*Oct 2020 - May 2021*)

- Constructing an API and micro-service to deliver data to a mobile application using AWS
- Working with the wider technology team to solve problems
- Continued implementation and maintenance of the dialogue engine behind the application's chat mechanism

### **Widening Participation and Marketing Student Ambassador**

City, University of London, London

(*Dec 2019 - Jan 2021*)

- Interacting with potential future students
- Collaborating with other ambassadors

## Projects and Achievements

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- Outstanding BSc Project Prize for an exceptionally high mark on my final year project
- Received an award for Outstanding Stage 2 Student for my scores in 2nd year of university
- Received the Gold level of the City Employability Award in August 2020

**References - available on request**

## Projects and Achievements

- Received an award for Outstanding Stage 2 Student for my scores in 2nd year of university
- Received the Gold level of the City Employability Award in August 2020
- Created and programmed the short game [One Key](#) during the 2019 GMTK Game Jam

## Technical Skills

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### *Preferred Languages*

- Python
- Javascript

### *Familiar Languages/Systems*

- Java
  - React & NodeJS
  - Amazon Web Services
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### *Preferred Libraries*

- PyTorch
- SpaCy

### *Familiar Libraries*

- Tensorflow
- NLTK

## Projects and Achievements

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- Received an award for Outstanding Stage 2 Student for my scores in 2nd year of university
- Received the Gold level of the City Employability Award in August 2020
- Participated in UST Global's Women in Tech Hackathon in January 2020
- Created and programmed the short game [One Key](#) during the 2019 GMTK Game Jam

## Transferable Skills

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- Learning quickly - accustomed to learning and using knowledge in a new area quickly. Experience in the 2019 GMTK Game Jam, despite only learning the language and game engine in the month prior.
- Time Management and Organisation - able to handle & complete a variety of tasks concurrently, all to the highest quality in little time, through experience in high school & university.
- Adaptability - able to quickly change plans and handle unexpected events, developed through living in various places across the US and UK, and more recently moving back to London to pursue my studies.
- Analytical Capabilities - able to efficiently evaluate data and problems to find information and solutions, as seen through complex university courses.
- Communication Skills - clearly and concisely conveying information, which has been crucial in all previous employment.