**Jackson Jay Searle**

**(715) 293-9134**

**jacksonjaysearle@gmail.com**

**Publications**

### **CHI 2023** *- Top Tier Conference with 28% acceptance rate*

### I represented BYU by presenting my research in Germany: *Personalized Quest and Dialogue Generation in Role-Playing Games: A Knowledge Graph- and Language Model-based Approach.* ([link](https://programs.sigchi.org/chi/2023/authors/92500))

# **Projects**

Factually grounded Language Model Simulation ([link](https://github.com/JacksonSearle/DRAGNTown-Server))

Adversarial Autoencoder with Latent Space Visualization ([link](https://github.com/JacksonSearle/Adversarial-Auto-Encoder-with-MNIST))

Fine-tuned Language Model that speaks like Aristotle ([link](https://huggingface.co/Dizzykong/Aristotle-8-29?text=The+aim+of+art+is+to+represent+not+the+outward+appearance+of+things%2C+but))

Easy Tutorial for fine-tuning Language Models ([link](https://github.com/JacksonSearle/Automatic-GPT-2-Fine-tuning-and-Generation))

**Experience**

## April 2022 - Current

### **DRAGN Labs, BYU** *- Research Assistant*

### Implemented advanced Language Model based storytelling systems in novel ways. Team Lead of two successful research teams. ([dragn.ai](http://dragon.ai))

## September 2023 - Current

### **CS 301R, BYU** *- Teaching Assistant*

## Lectured for a 300 level Machine Learning class. Taught remote access, Slurm, and Pytorch skills.

**Skills**

Pytorch, Python, C++, C, Java, Neo4j, Natural Language Processing, Slurm

Fluent in Malagasy, served two year mission in Madagascar

Eagle Scout

# **Education**

# August 2020 - Current

### **Brigham Young University, Utah** *- Anticipated Graduation of April 26th 2024*

## Recipient of BYU's academic scholarship. Senior studying Computer Science.