

Andrew Lustig

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WORK EXPERIENCE

NYU Shanghai Computer Science Department - Research Assistant for Dr. Abrahao

December 2021 - Present

- Replicated architecture of code used in Dr. Abrahao's Social Media study on psychiatric medicine use.
- Fine-tuned BERT on millions of Reddit comments, performing 20% better in propensity score matching than SVM.
- Utilizing Bert for extrapolating inferences on the effect of compounds found in anti-depressants on behavior changes based on sentiment analysis results after social media users mention taking certain medications.

NYU Shanghai Computer Science Department - Research Assistant for Dr. Tam

Nov 2021 - Present

Shanghai, China

- Devising a question and answering chatbot via the use of Rasa to answer any queries related to NYU Shanghai.
- Integrating with Haystack, and refining an RNN-free, attention-based model that makes use of Stanford's SQuAD database.
- Designing a physical robot companion that can interact with students and answer their questions, leveraging the chatbot with the use of tts and stt Rest APIs.

NYU Shanghai Interactive Media Arts Department - Student Researcher

Aug, 2021 - Sep, 2021

Shanghai, China

- Designed a physical robot with Raspberry Pi to help English speakers learn Mandarin Chinese.
- Devised a bilingual chatbot with quiz, conversation, and translation functionality.
- Fine-tuned DialoGPT on a custom database, and designed bot to respond to user input with physical motion and gestures.
- Conducted qualitative analysis to advance HCI and presenting at ICMET 2022 Remote Learning Conference.

IsCham - Israeli Chamber of Commerce in China - Project Manager

Mar 2021 - Present

Shanghai, China

- Assisting in coordinating meetings between Israeli technology startups and Chinese investment groups and leading translation for the Chamber's Shanghai office.
- Participated in technology trade fairs and assisted in speech preparation.

SKILLS

Python (NLP); Matlab (Machine Learning); C# (Unity); Java; C; SQL; Chinese (Near-Native)

CERTIFICATIONS

- Machine Learning, Stanford University - Coursera Platform
- Matlab Fundamentals - Matlab

EDUCATION

NYU - B. S., Computer Science

Sep 2020 - Jun 2024, GPA: 3.9

Shanghai, China

Awards: Dean's List, Fall 2020 and Spring 2021; 1580 - SAT

Relevant courses: Data Structures; Discrete Math; Machine Learning; Computer Architecture; Databases