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**EXPERIENCE**

**Juicebox It, Inc**— *Natural Language Processing Engineer* **| September 2020 – PRESENT**

Juicebox is a VC-backed, women-owned, sex-positive sexual wellness startup. Juicebox is the creator of Slutbot, a text-based AI sex/sexting coach that has also been described as a piece of interactive erotic fiction. Slutbot has been profiled by The New York Times, Fast Company, Mashable, and Cosmopolitan.

⬝ Managed the NLP and ontology for a virtual assistant that went from 13,000 to 100,000 current subscribers while working on the project.

⬝ Created a human sex and sexuality ontology.

⬝ Took an NLP system that could recognize 55 intents and 450 entities to one that can recognize 101 intents and 8850+ entities. This included increasing the number of sex act and body part entities from 10 to 5000+.

⬝ Developed ontology and data labeling best practices.

⬝ Created 8850 entities and attributes and created more than 770 relations.

⬝ Wrote Python scripts to manipulate OWL ontologies using the Owlready2 library.

⬝ Analyzed natural language user data from SQL and Metabase databases.

⬝ Translated design flowcharts into technical specifications for other conversational AI engineers.

⬝ Advised management on technical NLP topics and strategies for communicating them to investors.

⬝ Trained natural language understanding (NLU) models with text/intent classification and entity extraction.

⬝ Built syntactic parsing pipelines to extract complex sex names from users.

⬝ Researched and experimented with state of the art/cutting edge language models and pipelines.

⬝ Worked on NLP roadmap.

⬝ Created an initiative to build internal no-code tools to cut down on engineering time.

⬝ Experimented with natural language generation.

⬝ Set up automated testing of NLU.

**Anchor Health** — *Conversational AI* **| June 2020 – November 2021**

Anchor Health was a healthtech startup founded by the former VP and General Manager of Stanford Digital Health that focused on helping users navigate the US healthcare system.

⬝ Took over AI development of Anchor Health’s conversational AI assistant.

⬝ During the first year I worked with Anchor Health it was featured in Andreessen Horowitz’s “The New Tech Stack for Virtual First Care”, and they started a partnership with TriNet.

⬝ Developed data labeling best practices.

⬝ Trained NLP models with intent classification, entity extraction, and dialogue management.

⬝ Analyzed user data.

⬝ Maintained backend integrations to APIs and databases.

⬝ Set up automated end-to-end testing.

**Freelance NLP and Conversational AI Engineer | November 2018 – June 2020**

⬝ Designed and built a New Year’s Resolution chatbot for the chatbot platform company Juji Inc.

⬝ Trained NLP models for various clients.

⬝ Taught clients how to use the NLP and Conversational AI framework Rasa.

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| **SKILLS** | **EDUCATION**  **Oberlin College**, Oberlin, OH  B.A.  Major in Philosophy  **August 2014 - May 2018**  Studies included: ontology, semantics, formal logic, philosophy of language, cognitive science, metaphysics |