

LIAM GERON

Data Scientist

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PROFILE

Data Scientist specializing in Computational Linguistics, the study of using computational techniques to model natural language. Research areas include: Machine learning, semantics (the branch of Linguistics concerned with meaning), natural language understanding, and formal logic (the analysis and appraisal of argument forms).

WORK EXPERIENCE

Data Scientist, Chatdesk Inc.

New York, NY — 2018–Present

- Lead Data Scientist for the product Trends working on automatic tagging and categorization of customer feedback across email, chat, social, reviews, surveys, etc.
- Designed, implemented, and maintained the machine learning backend of the product, including the Flask application, critical databases, and API with over 20 million messages processed.
- Trained and maintained inferential models for text classification using neural networks, logistic regression, and ensemble methods for more than 80 companies across 15 industries including Gap, Abercrombie, Everlane, etc.
- Managed and coached junior Data Scientist and 2 interns.

Language Engineer, Transcendent Endeavors

New York, NY — 2016–2017

- Lead researcher in the labs department focused on the development and ideation of the interaction between technology and language.
- Developed novel algorithm for blending levels of language pairs into a grammatical sentence to assist in a suite of language learning tools.
- Worked with chatbot frameworks to develop chatbot for women's healthcare.

EDUCATION

CUNY Graduate Center — MA in Computational Linguistics, 2018

New York University — BA in English Language and Literature, 2016v

LANGUAGES

Python, SQL, Matlab, R, C#

TOOLS

Scikit Learn, Pandas, Numpy, Tensorflow, Keras, PyTorch, Scipy, NLTK, Matplotlib, Spacy, Regex

REFERENCES

Aneto Okonkwo

Chief Executive Officer at Chatdesk Inc.
aneto@chatdesk.com

Yoav Ilan

Chief Technical Officer at Transcendent Endeavors
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More references available upon request.

PROJECTS

[Recursive Neural Networks for Semantic Sentence Representation — Masters Thesis](#)

[CNN for Sentence Classification — PyTorch implementation of Kim, 2014](#)

[Neural Language Model — Tensorflow implementation of Bengio et al., 2003](#)

OTHER INTERESTS

- Multi-instrumentalist — Piano, guitar, bass, mandolin, accordion, etc.
- Music Theory — 20 years of experience studying music academically and privately.
- Game Design — Experience designing small games for weekend-long game jams doing programming, sound design, and soundtrack composition.