

Micaela Kaplan

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EDUCATION

Brandeis University, Waltham, MA

M.S. in Computational Linguistics May 2020

Relevant Coursework: *Statistical Approaches to Natural Language Processing, Computational Semantics, Information Extraction, Fundamentals of Computational Linguistics, Annotation for Machine Learning, Introduction to Natural Language Processing, Automated Speech Recognition*

B.A. in Linguistics and Computer Science May 2019 GPA: 3.7 (Dean's list 6 semesters), Magna Cum Laude

Relevant Coursework: *Data Structures and Fundamentals of Computing, Advanced Programing Techniques, Formal Semantics, Syntactic Theory, Morphology, Phonological Theory, Phonetics*

RELEVANT EXPERIENCE

CallMiner, Waltham, MA *Data Scientist and Responsible AI Lead*, May 2020 – Present

- Developed an implementation of state-of-the-art Named Entity Recognition techniques for use in call transcript NPI/PII redaction
- Conducted state-of-the-art research on many aspects of NLP and Machine Learning, such as Sentiment/Emotion, NER, and Question Answering, including the implementation of work from published resources and custom developed approaches.
- Organized and executed full scale annotation, including creating the schema, collecting and preparing the data, and communicating with third party annotators.
- Lead the process to develop an internal system for acknowledging and addressing ethical problems as they appear in Research
- Design and encourage professional development on Responsible AI through team meetings and group attendance and discussion of online webinars

CallMiner, Waltham, MA *Data Science Intern (20+ hours/week)*, January 2019 – May 2020

- Designed and executed research experiments for a variety of NLP tasks, including entity recognition and sentiment analysis on user generated audio and text data
- Data preparation, feature extraction for text and acoustics, and model and algorithm analysis for a variety of Machine Learning tasks, including deep learning

Adobe, Newton, MA *Linguistic Annotator* August 2018 - December 2018

- Used annotation software to prepare semantic information to be used in machine learning
- Worked remotely with a team to ensure consistency across annotations and develop an effective annotation schema

Data Structures and Fundamentals of Computing, Brandeis University *Teaching Assistant* Fall 2018

- Held office hours to help students with data structure analysis, code review, algorithm evaluation, and assignments

RECENT PUBLICATIONS

May I Ask Who's Calling? Named Entity Recognition on Call Center Transcripts for Privacy Law Compliance. 6th Workshop on Noisy User-Generated Text (W-NUT 2020).

- <https://aclanthology.org/2020.wnut-1.1>

SKILLS

Programming: Python, Pandas, Numpy, Matplotlib, SciKit-Learn, SciPy, Natural Language Toolkit, Librosa, Github, DialogFlow, SQL, Java, basic HTML/CSS

Coursework in: TensorFlow, Haskell, NMT/GluonNlp, Alexa Developer Tools, Kaldi

Software: PyCharm, Eclipse, Praat, DataRobot, Microsoft Office

Languages: Fluent in English, Advanced Spanish