Experience

Qualtrics May 2024–Present

Speech Engineer I (L4) | Remote, VA

- Planned migration from transcription service to in-house ASR engine, reducing associated costs by 60+%
- Developed support tools and scripts in **Go** and **Bash**

National Aeronautics and Space Administration (NASA) Jun 2023–Dec 2023

AI & Machine Learning Intern | Mountain View, CA (remote)

- Spearheaded research on the use of natural language understanding to modernize legacy air traffic control systems by using generative AI to extract structured instructions from radio communications
- Built an extensible **Python** codebase to preprocess **JSON** data, train and evaluate machine **learning** models using config files, streamlining changes to model architectures
- Received the Shining Star Intern Award in recognition of my contributions to the design of the project

Smart Information Flow Technologies (SIFT) Jun 2022–Mar 2023

NLP Research Intern | Minneapolis, MN (remote)

- Trained and optimized span-level sentiment analysis models to detect disinformation in online campaigns on social media using **Transformers** and **PyTorch** packages for **Python**
- Researched and implemented methods to remove bias from the model, including contrastive learning and the regularization term, contributing to a conference paper
- Developed a CI/CD pipeline with **GitLab** and **Docker** to ensure repository updates were compatible with the dataset schema and downstream data visualization

Saggezza Nov 2020–Nov 2021

Technical Writer | New York, NY (remote)

- Published 50+ sets of new documentation pages for 5+ products for S&P 500 financial service firms
- Collaborated with product owners to design documentation templates for readability and navigability

Skills

Programming Languages: Python (advanced), R, Bash, HTML/CSS, JavaScript (novice), Go (novice), C (novice)
  - **Python packages:** PyTorch, Transformers (Hugging Face), LangChain, Datasets, NLTK, NumPy, spaCy, Pandas, Matplotlib, scikit-learn, Gensim, and Pytest

Tools: Git, Jira, CI/CD, Docker, AWS, SQL (novice)
Natural Languages: Hebrew (advanced), French (intermediate)

Education

University of Washington | MS in Computational Linguistics | Seattle, WA, Sep 2021–Jun 2023
Awards: Ryan Neal Coles Memorial Fellowship

University of Chicago | BA in Linguistics | Chicago, IL, Sep 2015–Jun 2019
Awards: Leonard Bloomfield Prize in Linguistics, Phi Beta Kappa

Publications

Conference Proceedings

Hillel Steinmetz, [illegible] Tabo, Stephen Clark, Krishna [illegible]. 2024. “A Natural Languag
Understanding Approach for Digitization of Tax Instructions.” [illegible] Las
Vegas, USA. (Accepted).

Scott Friedman, Joan Zheng, Hillel Steinmetz. 2024. “Debiasing Multi-Entity Aspect-B
Sentiment Analysis with Norm-Based Data Augmentation.” In Proceedings of the 2024 Joint
International Conference on Computational Linguistics, Language Resources and Evaluati
(LREC-COLING 2024), Turin, Italy. International Committee on Computational Linguistic
(Forthcoming, May 2024).

Master's Thesis

Transfer Learning Using L2 Speech to Improve Dysarthric Speech Recognition
Supervisor: Professor Gina-Anne Levow