JENNIFER HALIEWICZ

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PROFESSIONAL SUMMARY

Computational linguist and data scientist with hands-on experience in language modeling, formal linguistics, and NLP/NLU systems. Skilled in semantic annotation, text normalization, and chatbot optimization. Proficient in Python and SQL for developing annotation pipelines and analyzing multilingual corpora, including low-resource language data. Experienced with tools such as Stanford CoreNLP, Praat, Penn Treebank, AntConc, and SketchEngine. Pursuing an M.S. in Human Language Technology to bridge computational methods and linguistic theory. Skilled in independent execution, scalable design, and cross-functional collaboration.

TECH STACK & SKILLS

Programming & Data Science: Python (pandas, NumPy, scikit-learn, TensorFlow, PyTorch), SQL, R, Azure Machine Learning

Machine Learning & NLP: Supervised/Unsupervised Learning, Deep Learning, Speech Processing, NLP, Model Deployment & Optimization

Linguistic Analysis: AntConc, Concordancer, GloVe, Praat, SketchEngine, Penn Treebank, Stanford CoreNLP, Natural Language Toolkit (NLTK)

Big Data & Databases: PostgreSQL, BigQuery, NoSQL, Data Warehousing

Cloud & Platforms: AWS, Azure (Azure ML, Azure Databricks), Git, Jupyter, Power BI

Tools: Tableau, Looker, Sigma Computing, Data Pipelines, MLFlow, Visual Studio Code, PyCharm

PROJECTS

Bridging the Digital Divide: Where Do We Stand? Collaborated with XRI Global as a Masters Student at the University of Arizona to assess and map AI models and datasets for low-resource languages, providing a strategic, scalable solution for users.

WORK HISTORY

OCTOBER 2024-CURRENT
Human Language Technology Intern | XRI Global | Remote
- Led the design and implementation of a PostgreSQL database centralizing NLP datasets, improving access to models for 100+ low-resource languages.
- Developed interactive dashboards to visualize technology gaps, informing resource allocation strategies and supporting data-driven decisions for improving access to language models and datasets.
- Spearheaded the development of a responsive web-based UI prototype, collaborating with the development team to deliver a real-time, scalable solution.

NOVEMBER 2022-FEBRUARY 2024
Data Analyst, Conversational AI | Verint | Remote
- Improved chatbot performance and reduced escalations by 25% using NLP techniques and data governance strategies.
- Led analytics for enterprise clients, boosting interaction and resolution KPIs.

JUNE 2022-OCTOBER 2022
Associate Data Analyst | Grin, Inc. | Remote
- Analyzed customer, communication, and marketing data to optimize ad spend, improve engagement, and drive retention.
- Designed and implemented SQL-based reporting dashboards, reducing manual reporting time by 10+ hours per week.
- Supported the creation of scalable data pipelines to improve process efficiency and optimize decision-making.

SEPTEMBER 2019-APRIL 2022
Data Analyst & Program Manager | Mountain Measurement, Inc. | Remote
- Developed SQL-driven Tableau dashboards to monitor nursing education program performance across 300+ institutions.
- Automated reporting workflows, reducing manual data processing time by over 30%.
- Managed the transition to digital platforms, increasing engagement in continuing education programs by 50%.

APRIL 2016-SEPTEMBER 2019
Database Coordinator | Portland Metro Chamber | Portland, OR
- Facilitated seamless data migration during system upgrades and transitions.
- Provided in-depth analysis of member trends to facilitate business decisions

EDUCATION

M.S., Human Language Technology (Expected July 2025) – University of Arizona
Relevant coursework: Machine Learning, Deep Learning, Statistical NLP, Speech Processing

Bachelor Of Arts: Applied Linguistics (August 2025) - Portland State University
Relevant Coursework: Sociolinguistics, Corpus Analysis Syntax, Computational Linguistics, Annotation Methods.

Bachelor of Arts: French Language And Literature, Linguistics (June 2012) - Portland State University

LANGUAGES

French

Professional Working