

Lucien Mensah

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EDUCATION

Tulane University | 2021 - 2022

New Orleans, LA

Master of Arts, Computational Linguistics, GPA: 3.7

Relevant Coursework: Textual Computation, Syntactic Theory, LGBTQ+ Linguistic Research, Semantics, Intro to Machine Learning, Intro to Data Science

Tulane University | 2018 - 2021

New Orleans, LA

Bachelor of Arts, Linguistics

Relevant Coursework: Intro to Computer Science, Computational Linguistics, Morphology, Phonology, Translation Studies Theory, Intro to Discrete Math

SKILLS

- **Technical:** Python, Numpy, Pandas, Matplotlib, Scikit-Learn, Github, HTML/CSS, SQL, Tableau, PowerBI
- **Languages:** Twi (Native), Japanese (Intermediate), Spanish (Intermediate)
- **Project management:** Agile/Scrum development
- **Publications:** Co-authored: English-Twi Parallel Corpus for Machine Translation (2021), <https://arxiv.org/abs/2103.15625>; NLP for Ghanaian Languages (2021), <https://arxiv.org/abs/2103.15475>

WORK EXPERIENCE

Linguistic Annotator - Natural Language Understanding

Appen | December 2021 - Present

- Validate language model summarizations for relevance, accuracy, and consistency
- Create linguistic annotations of English utterances and conversational data according to provided ontologies for Natural Language Processing
- Communicate with other linguists to develop over 500 utterances, review annotations, and contribute to the improvement of existing models and evaluation rules

Data Analytics Intern - Data Scientist

Mars, Inc. | May 2021 - August 2021

- Utilize Databricks to refine data pipeline code to be sustainable and align with PEP 8 standards
- Experiment with GPT-2 to train a model to answer questions about different products
- Redesign previously used PowerBI dashboard to meet needs of stakeholders
- Develop a new Dash build to convey greater information about difficulties across a variety of areas in the supply chain

Digital Humanities Research Intern - Project Manager

Newcomb Institute | August 2020 - Present

- Organize a 12 student Scrum team to employ Agile development methodologies to design and develop technical solutions for 5 faculty and community members across New Orleans
- Coordinate the development of 5 WordPress, ucraft, and Omeka websites guiding the technical translation process from conception to finished product for non-technical clients, resulting in an 80% increase in faculty online presence
- Leverage Tableau to create a mapping dashboard highlighting the differences in birth rates for New Orleanian Black, Hispanic, and white women to show a 4% disparity

PROJECTS

Trans* Twitter Analysis

- Conducted an independent study course to analyze language use on Twitter, processing over 11,000 Tweets and using regular expressions to filter data
- Remodeled a sentiment analysis model to explore how gender freedom is expressed on Twitter