

Kevin Stowe, PhD.

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SUMMARY OF QUALIFICATIONS

1. NLP and machine learning expertise: language models, natural language generation, deep learning, text classification.
2. Track record of producing quick, effective results for difficult problems, with strong analysis to ensure meaningful results.
3. Innovative collaborations with scientists, students, community members, and industry.
4. Joint PhD. in Linguistics and Computer Science, focusing on machine learning and computational linguistics.
5. Publications at top NLP venues including ACL, EMNLP, EACL, COLING, and CoNLL.

TOOLS

TECHNOLOGY

- PyTorch, Tensorflow, Gensim, and HuggingFace for deep learning.
- ScikitLearn, NLTK, Spacy, and CoreNLP for traditional NLP tasks.
- AWS as well as grid engine/slurm for model development
- OpenAI, LangChain, and custom built interfaces to LLMs

NATURAL LANGUAGE PROCESSING

- Deep learning for linguistic classification, information extraction, and data analysis
- Generative AI ranging from sequence-to-sequence models to modern LLMs/prompt engineering
- Lexical semantics, natural language generation, computational creativity, classification/regression problems.
- Linguistic data collection: collection, annotation, adjudication, and publication.

WORK EXPERIENCE

ASSOCIATE RESEARCH SCIENTIST (NLP) | EDUCATIONAL TESTING SERVICE (ETS)

2022 - Present | Princeton, New Jersey, USA

- Work with Automated Content Generation (ACG) team to generate new content for testing/educational applications
- Follow research roadmap for academic publications as well as product delivery.
- Build generation software, evaluation tools, and other software requirements.

POSTDOCTORAL RESEARCHER | TECHNICAL UNIVERSITY OF DARMSTADT

2019 - 2022 | Darmstadt, Germany

- Collaborate on metaphor generation systems with internal and external colleagues yielding state-of-the-art results.
- Provide paper writing and review support, within-lab group management, and yearly retreat organization.

RESEARCH ASSISTANT | UNIVERSITY OF COLORADO, BOULDER

2013-2019 | Boulder, CO

- Published innovative new text classification techniques for novel metaphor detection.
- Collaborated with social science researchers to produce new methodology and software for understanding social media responses in crises.
- Built and supported lexical resources and related research projects.

EDUCATION

UNIVERSITY OF COLORADO | JOINT PHD IN LINGUISTICS/COMPUTER SCIENCE

July 2019 | Boulder, CO • GPA: 3.93

Dissertation: Syntactic and Semantic Improvements to Computational Metaphor Processing

INDIANA UNIVERSITY | MA IN COMPUTATIONAL LINGUISTICS | DEC 2011 | BLOOMINGTON, IN

MICHIGAN STATE UNIVERSITY | BA IN LINGUISTICS | MAY 2009 | EAST LANSING, MI