# Elizabeth Pankratz
## Curriculum Vitae

## Education

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| Sep. 2021–present | **PhD in Linguistics and English Language (Centre for Language Evolution)**<br>University of Edinburgh, Scotland<br>  – Supervisors: Prof. Jennifer Culbertson and Prof. Simon Kirby |
| Oct. 2019–Aug. 2021 | **Master of Science in Cognitive Systems: Language, Learning, and Reasoning**<br>Universität Potsdam, Germany<br>  – Thesis: *Morphological productivity: A Bayesian modelling approach*<br>  – Supervisors: Prof. Shravan Vasishth and Dr. Titus von der Malsburg |
| Oct. 2017–Jul. 2019 | **Master of Arts in Linguistics**<br>Humboldt-Universität zu Berlin, Germany<br>  – Thesis: *A study of diachronic changes in the productivity of several Early New High German derivational morphemes using the RIDGES corpus*<br>  – Supervisor: Prof. Anke Lüdeling |
| Sep. 2013–Jun. 2017 | **Bachelor of Arts (Honours) in Linguistics & German language and literature**<br>University of Alberta, Canada (with year abroad at the Freie Universität Berlin)<br>  – First Class Honours, best of graduating class<br>  – Thesis: *Effects of plural semantics on linking element alternation in German nominal compounds*<br>  – Supervisors: Prof. Jennifer Dailey-O'Cain and Prof. Jordan Lachler |

## Research experience

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| Aug. 2020–Sep. 2021 | **Researcher ("Wissenschaftliche Mitarbeiterin")**<br>Humboldt-Universität zu Berlin, CRC 1412 Register, Project A04<br>  – Application of Bayesian machine learning methods (LDA) to probabilistically identify register in corpora<br>  – Presentation of two conference/colloquium talks |
| Feb. 2021–Jul. 2021 | **Research assistant to Dr. Titus von der Malsburg**<br>Universität Potsdam<br>  – Psycholinguistic research on the effect of single- vs. multi-trial experiment designs |
| Jan. 2018–Jun. 2018,<br>Oct. 2019-Sep. 2020 | **Student assistant to Dr. Bob van Tiel**<br>Leibniz-Centre General Linguistics (ZAS), Berlin<br>  – Psycholinguistic research on processing of scalar inferences<br>  – Publication of two journal papers and presentation of two conference posters |
| Dec. 2017–Sep. 2019 | **Student assistant to Prof. Uli Reich**<br>Freie Universität Berlin<br>  – Creation of a freely-available audio corpus of Conchucos Quechua using Praat, ELAN, and Python |
| Apr. 2014–Jun. 2014 | **Student assistant to Prof. Antti Arppe (Volunteer position)**<br>University of Alberta<br>  – Fieldwork and documentation of Plains Cree in Maskwacîs, Alberta |

## Teaching

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| 2022–2023 | **Statistics and Quantitative Methods (Tutor)**<br>University of Edinburgh<br>  – Honours (advanced undergraduate) and postgraduate course on data manipulation, visualisation, and analysis in the Bayesian framework using R |
| | **LEL2D: Cross-linguistic Variation: Limits and Theories (Tutor)**<br>University of Edinburgh<br>  – Pre-honours (early undergraduate) course on typological variation and its influence on linguistic theory |
| | **Simulating Language (Tutor)**<br>University of Edinburgh<br>  – Honours (advanced undergraduate) and postgraduate course on implementing Bayesian models of language evolution using Python |

**PPLS Skills Centre (Tutor)**
University of Edinburgh
– One-on-one consultation appointments to help students improve their academic writing

## Copy editing and proofreading

Sep. 2019–May 2021 | **Copy editor and proofreader of *Head-Driven Phrase Structure Grammar: The handbook***
Humboldt-Universität zu Berlin/Language Science Press, Berlin
– Copy editing and proofreading of 30+ chapters

Jan. 2018—Mar. 2018 | **Proofreader for the proceedings of *Sinn und Bedeutung 22***
Leibniz-Centre General Linguistics (ZAS), Berlin
– Proofreading of 5+ papers

## Publications

### • Preprints

2022 | **Pankratz**, **E.**, von der Malsburg, T., & Vasishth, S. (2022). Shannon entropy is a more comprehensive and principled morphological productivity measure than the standard alternatives. *PsyArXiv*. https://doi.org/10.31234/osf.io/vkyug.

### • Journal papers

2022 | **Pankratz**, **E.**, Arppe, A., & Lachler, J. (2022). Low hanging fruit and the Boasian trilogy in digital lexicography of morphologically rich languages: Lessons from a survey of Indigenous language resources in Canada. *Nordlyd*, *46*(1), 193–204. https://doi.org/10.7557/12.6441.

2021 | **Pankratz**, **E.**, & van Tiel, B. (2021). The role of relevance for scalar diversity: A usage-based approach. *Language and Cognition*, *13*(4), 562–594. https://doi.org/https://www.doi.org/10.1017/langcog.2021.13.

van Tiel, B., & **Pankratz**, **E.** (2021). Adjectival polarity and the processing of scalar inferences. *Glossa*, *6*(1), 32. 1–21. https://doi.org/10.5334/gjgl.1457.

2019 | van Tiel, B., **Pankratz**, **E.**, & Sun, C. (2019). Scales and scalarity: Processing scalar inferences. *Journal of Memory and Language*, *105*, 93–107. https://doi.org/10.1016/j.jml.2018.12.002.

2018 | Schäfer, R., & **Pankratz**, **E.** (2018). The plural interpretability of German linking elements. *Morphology*, *28*(4), 325–358. https://doi.org/10.1007/s11525-018-9331-5.

### • Conference proceedings

2021 | **Pankratz**, **E.**, Yadav, H., Smith, G., & Vasishth, S. (2021). Statistical properties of the speed-accuracy trade-off (SAT) paradigm in sentence processing. *Proceedings of the Annual Meeting of the Cognitive Science Society*, *43*, 2176–2182.

**Pankratz**, **E.** (2021). qxoRef 1.0: A coreference corpus and mention-pair baseline for coreference resolution in Conchucos Quechua. *Proceedings of the First Workshop on Natural Language Processing for Indigenous Languages of the Americas*, 1–9. https://doi.org/10.18653/v1/2021.americasnlp-1.1.

2019 | van Tiel, B., **Pankratz**, **E.**, Marty, P., & Sun, C. (2019). Scalar inferences and cognitive load. *Proceedings of Sinn Und Bedeutung 23*, 427–441.

2017 | Lachler, J., & **Pankratz**, **E.** (2017). Moving towards value-added digital repatriation in lexicography for Indigenous languages in Canada. In N. Ostler, V. Ferreira, & C. Moseley (Eds.), *Proceedings of the 21st FEL Conference: Communities in Control: Learning tools and strategies for multilingual endangered language communities* (pp. 107–114).

### • Resources

2021 | **qxoRef 1.0: A coreference corpus for Conchucos Quechua**
https://github.com/epankratz/qxoRef

# Presentations

## • Invited

2021   **Pankratz**, **E.** (2021). *An entropy-based approach to measuring morphological productivity.* Humboldt-Universität Colloquium for Corpus Linguistics.

**Pankratz**, **E.** (2021). *Coreference resolution for Conchucos Quechua.* Freie Universität Berlin Romanistisches Forschungskolloquium.

## • Talks

2022   **Pankratz**, **E.** (2022). *Do entropy, type count, and distribution shape influence the learning of non-adjacent dependencies?* Centre for Language Evolution Talk Series.

**Pankratz**, **E.**, von der Malsburg, T., & Vasishth, S. (2022). *An entropy-based approach to measuring morphological productivity.* How productive is derivational morphology? (Workshop at the 44th annual DGfS conference).

2021   Sun, C., **Pankratz**, **E.**, & van Tiel, B. (2021). *Polarity modulates the processing cost of scalar implicatures.* Architectures and Mechanisms for Language Processing (AMLaP 2021).

Bildhauer, F., **Pankratz**, **E.**, & Schäfer, R. (2021). *Corpora, inference, and models of register distributions.* Contrastive corpus methodology for language modeling and analysis (Workshop at the 43rd annual DGfS conference).

Lüdeling, A., Schäfer, R., **Pankratz**, **E.**, Krause, T., Bildhauer, F., & Golcher, F. (2021). *What is a good corpus?* Humboldt-Universität Register Colloquium (CRC 1412).

Hübener, C., & **Pankratz**, **E.** (2021). *Verfugungswandel von Determinativ- und Rektionskomposita – ein Fall von Regularisierung?* Humboldt-Universität Colloquium for Corpus Linguistics.

2020   van Tiel, B., & **Pankratz**, **E.** (2020). *Adjectival polarity and the processing of scalar implicature.* Sinn und Bedeutung 25.

van Tiel, B., & **Pankratz**, **E.** (2020). *Polarity in scalar inference processing.* Degree expressions and polarity effects (Workshop at Leibniz ZAS).

2019   **Pankratz**, **E.**, Lachler, J., & Arppe, A. (2019). *A survey of Indigenous language tools: The emergence of two lexicographical approaches among Indigenous languages of Canada.* 6th International Conference on Language Documentation & Conservation (ICLDC6).

**Pankratz**, **E.** (2019). *Derivational morphology in Early New High German.* Humboldt-Universität Colloquium for Corpus Linguistics.

2017   Lachler, J., & **Pankratz**, **E.** (2017). *Moving toward value-added digital repatriation in lexicography for Indigenous languages in Canada.* 21st FEL Conference: Communities in Control: Learning tools and strategies for multilingual endangered language communities.

**Pankratz**, **E.** (2017). *Language maintenance in a global world: Creating a middle ground for Plautdietsch in 21st-century Canada.* University of Alberta MLCS Undergraduate Conference.

## • Posters

2021   **Pankratz**, **E.**, Yadav, H., Smith, G., & Vasishth, S. (2021). *Statistical properties of the speed-accuracy trade-off (SAT) paradigm in sentence processing.* Annual Meeting of the Cognitive Science Society (CogSci 2021).

**Pankratz**, **E.** (2021). *qxoRef 1.0: A coreference corpus and mention-pair baseline for coreference resolution in Conchucos Quechua.* The First Workshop on NLP for Indigenous Languages of the Americas (AmericasNLP) at NAACL 2021.

2020   **Pankratz**, **E.**, & van Tiel, B. (2020). *Can usage of scalar adjectives predict scalar inference rates?* UK Cognitive Linguistics Conference 2020 (UKCLC 2020).

2019   van Tiel, B., **Pankratz**, **E.**, & Sun, C. (2019). *Scales and scalarity: Processing scalar inferences.* XPRAG 2019.

2018   van Tiel, B., **Pankratz**, **E.**, & Sun, C. (2018). *Processing scalar diversity.* Sinn und Bedeutung 23.

# Event organisation

2022–2023   **Centre for Language Evolution talks**
Weekly hybrid talk series (University of Edinburgh)

2022   **Linguistic Circle**
Biweekly hybrid talk series (University of Edinburgh)

| 2022 | **Edinburgh Lectures in Language Evolution (ELLE) 2022**
Four-lecture hybrid talk series with hundreds of attendees (University of Edinburgh, June 2–23, 2022) |
| 2021 | **Complexity and Register 2021 (CAR21)**
Hybrid workshop with 30+ attendees (Humboldt-Universität zu Berlin, November 19, 2021) |
| 2019 | **XXII. Deutscher Hispanistentag**
Conference with 600+ attendees (Freie Universität Berlin, March 27–31, 2019) |

## Reviewing

| 2022–2023 | **Annual Meeting of the Cognitive Science Society (CogSci 2022, 2023)** |
| 2022 | **1st Language and Interaction Network event (LINk) 2022** |
| 2021 | **Complexity and Register 2021 (CAR21)** |
| 2020 | **12th Web as Corpus Workshop (WAC-XII), co-located with LREC 2020** |

## Funding

| 2021–2025 | **ESRC-funded PhD Studentship**
Scottish Graduate School of Social Science |
| 2021–2025 | **SSHRC Doctoral Fellowship**
Social Sciences and Humanities Research Council of Canada |
| 2019–2021 | **University Scholarship Potsdam (previously Deutschlandstipendium)**
Universität Potsdam |
| 2017–2019 | **Konrad Adenauer Foundation**
Scholarship Program for International Students |
| 2017 | **Undergraduate Research Initiative at the University of Alberta**
CAD 5000 funding for the summer research project *Digital lexicography of Canadian Indigenous languages* with Prof. Jordan Lachler and Prof. Antti Arppe |

## Awards and recognition

| 2021 | **Sir James Lougheed Award of Distinction – Master's Level (CAD 15,000)**
Alberta Scholarships |
| 2019 | **Featured as one of the LINGUIST List's Rising Stars**
Nominated by Dr. Roland Schäfer and Prof. Anke Lüdeling |
| 2017 | **The Dr. John MacDonald Medal in Arts (CAD 1100)**
For best graduating mark in the Faculty of Arts at the University of Alberta |
| 2014–2017 | **Seven awards for academic achievement and extracurricular involvement (total CAD 14,200)**
University of Alberta
– The Rod and Judith Fraser International Undergraduate Learning Award (CAD 4500)
– The Louise McKinney Post-Secondary Scholarship (CAD 2500)
– The Mrs. Kathe & Mr. Siegfried Klotsche Scholarship in German (CAD 2200)
– The Edelweiss-Club Scholarship (CAD 1750)
– The Catherine McLean Scholarship in Arts (CAD 1500)
– The Jason Lang Scholarship (CAD 1000)
– The Catherine Folinsbee Memorial Scholarship (CAD 750) |

## Outreach

| 2019 | **What it means to know a language**
Pop linguistics talk to 50+ attendees at the Pint of Science Festival 2019, Berlin |

## Skills

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| **Languages** | English (first language), German (C1), French (basic) |
| **Programming** | Python, R, Stan |
| **Mark-up** | LaTeX, HTML, Rmarkdown |
| **Version control** | Git, GitHub |
| **Statistical analysis** | Bayesian methods, frequentist methods |
| **Experiments** | jsPsych, Ibex Farm, Testable, Prolific, Amazon Mechanical Turk |
| **Other software** | Adobe Photoshop, Microsoft Office, Praat, ELAN |