

CURRICULUM VITAE - ERIN PACQUETET

Data Scientist - SCIAM
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EDUCATION

Last updated 2026-01-16

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- Ph.D. in Linguistics** 2024
University at Buffalo
Dissertation: The effect of linguistic properties on typing behaviors and production processes
(Committee: Jean-Pierre Koenig, Rui Chaves, Cassandra Jacobs, Christian DiCanio)
- M.S in Computational Linguistics** 2021
University at Buffalo
M.S. Project: Processing keystroke data for linguistic analysis
- M.A. in English Linguistics** 2018
Université Paris Diderot
Phonetics and Phonology minor
1 year Academic Exchange at the University of Arizona
M.A. Thesis: Investigating the Hierarchy of Constituency Through Keystroke Log
(Committee: Nicolas Ballier, Benoît Crabbé)
- B.A. in Anglophone Studies** 2016
Université Paris Diderot
1 semester Academic Exchange at the University of Nottingham

PUBLICATIONS

Research papers:

Proto: A Neural Cocktail for Generating Appealing Conversations - Saha, Das, Soper, **Pacquetet**, Srihari 2021
In 4th Proceedings of the Alexa Prize

Conference Proceedings:

- Predicting CEFR levels for learners of English with keylogging metrics, an exploratory study
- Al Sawar, **Pacquetet**, Mallart, Simpkin, Ballier 2025
CORIA-TALN-RJCRI-RECITAL 2025
- Logging Keystrokes in Writing by English Learners - Velentzas, Caines, Borgo, **Pacquetet**, Hamilton, Arnold, Nicholls, Buttery, Gaillat, Yannakoudakis, Ballier 2024
LREC-COLING 2024
- Let's Chat: Understanding User Expectations in Socialbot Interactions - Soper, **Pacquetet**, Saha, Das, Srihari 2022
Proceedings of the Second Workshop on Bridging Human-Computer Interaction and Natural Language Processing
- Prototype de feedback visuel des productions écrites d'apprenants francophones de l'anglais sous Moodle (*Visual feedback prototype for English learner's written productions on Moodle*) 2019
- Ballier, Gaillat, **Pacquetet**
EIAH 2019

PRESENTATIONS & POSTERS

Invited talks:

Gender bias in Mimi encoding - **Pacquetet**, Saloev 2025
Speech and text LLMs revisited: under the hood investigation of multilingual models workshop - December, Paris - France

Pre-processing keystroke logs for linguistic analysis - **Pacquetet** 2023
Deep Learning for Language Assessment Closing Workshop - November, Paris - France

Refereed by Abstract:

Predicting CEFR levels for learners of English with keylogging metrics, an exploratory study- 2025
Al Sawar, **Pacquetet**, Mallart, Simpkin, Ballier
CORIA-TALN 2025, DynTAL Workshop - June, Marseille -France

Logging Keystrokes in Writing by English Learners - Velentzas, Caines, Borgo, **Pacquetet**, 2024
Hamilton, Arnold, Nicholls, Buttery, Gaillat, Yannakoudakis, Ballier
LREC-COLING 2024 - May, Torino - Italy

Let's Chat: Understanding User Expectations in Socialbot Interactions - Soper, **Pacquetet**, 2022
Saha, Das, Srihari
HCI+NLP 2022- July, Seattle, WA - USA

Using keystroke logs to analyze CMC - **Pacquetet** 2021
CMC-Corpora 2021 - October, Nijmegen - Netherlands

Prototype de feedback visuel des productions écrites d'apprenants francophones de l'anglais 2019
sous MOODLE - Ballier, Gaillat, **Pacquetet**
EIAH 2019 EdTech Forum - June , Paris - France

Investigating Keylogs as Time-Stamped Graphemes - Ballier, **Pacquetet**, Arnold 2018
Grafematik June, Brest - France

Other academic presentations:

Investigating typing bursts as a linguistic unit - **Pacquetet** 2019
Qualifying Paper Presentation - December, Buffalo NY - USA

French Multi-word expression and their structural differences in treebanks - **Pacquetet** 2019
CSE Departmental Demo Day - May, Buffalo NY - USA

Annotation of Multi-word expression in the French Treebank - **Pacquetet** 2018
CSE Departmental Demo Day - December, Buffalo NY - USA

Outreach:

Fiabilité dans l'ère de l'IA générative : le RAG pour gérer les hallucinations - **Pacquetet**, Jara 2025
Meet-up Dev, April, Paris - France

GRANTS AND AWARDS

Mark Diamond Research Fund Grant \$1995	<i>2022</i>
Graduate student research funding \$399	<i>2022</i>
Dept. of Linguistics, University at Buffalo.	
3rd place of Alexa Prize Socialbot Grand Challenge 4 \$50,000	<i>2021</i>
PROTO team, Amazon	
Alexa Prize Team Research Grant \$250,000	<i>2020</i>
PROTO team, Alexa Prize Socialbot Grand Challenge 4, Amazon	
Linguistics Fellowship Award	<i>2018 - 2019</i>
Dept. of Linguistics, University at Buffalo.	
Merit-based Five-Year Full Tuition Scholarship	<i>2018 - 2023</i>
Dept. of Linguistics, University at Buffalo.	
Erasmus+ Scholarship	<i>2016</i>

COURSES TAUGHT

Instructor of record in Linguistics:

Roots of English	Spring 2020 - University at Buffalo
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Teaching Assistant in Linguistics:

Languages of the World	Spring and Fall 2023 - University at Buffalo
Language, Society, and the Individual	Fall 2022 - University at Buffalo
Roots of English	Fall 2019 - University at Buffalo
Language in Pluralistic America	Spring 2019 - University at Buffalo
Introduction to Linguistic Analysis	Fall 2018 - University at Buffalo

Instructor of record in French:

French 102 (2 sections)	Spring 2018 - University of Arizona
French 201 (2 sections)	Fall 2017 - University of Arizona

Other relevant experiences:

ESL summer camp resource counselor	2016 & 2017
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SKILLS

Programming Languages	Python, R, Perl, Javascript
Libraries	NLTK, CoreNLP, SpaCy, scikit-learn, Transformer models Keras, TensorFlow, Pytorch, Pandas, Numpy
Data Management and Visualization	SQL, Tableau, Power BI, Matplotlib, ggplot2, Powerpoint
Web Development	HTML, CSS, JavaScript
Tools	Jupyter Notebooks, Visual Studio, LaTeX, Git, GitHub
Human Languages	French (Native), English (Bilingual), German (B1)

ACADEMIC AND ADMINISTRATIVE SERVICE

Chief Excellence Officer - Graduate Linguistics Association, University at Buffalo	<i>2022-2023</i>
Member - Colloquium Committee, University at Buffalo	<i>2022-2023</i>
Member - Departmental Space & Resources Committee, University at Buffalo	<i>2021-2023</i>
Coordinator - Syntax and Semantics research group, University at Buffalo	<i>2021-2023</i>
Listserv manager - Graduate student listserv managing, University at Buffalo	<i>2021-2023</i>
Member - Departmental Diversity Committee, University at Buffalo	<i>2020-2023</i>
Co-author - “Addressing Institutional Racism in UB Linguistics” document	<i>2020</i>
Volunteer - Grievance committee graduate student volunteer, University at Buffalo	<i>2020</i>
Reviewer - Mark Diamond Research Fund (MDRF) grant review	<i>2020</i>
Webmaster - Graduate Linguistics Association, University at Buffalo	<i>2019-2022</i>
Chief Excellence Officer - Graduate Linguistics Association, University at Buffalo	<i>2018-2019</i>
Volunteer - Research Seminar: <i>Disorder : Histoire sociale des mouvements punk/post-punk</i>	<i>2015</i>