# **Robert David Borges**

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SE-752 63 Uppsala

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#### **Research Interests**

Multilingualism, Language Endangerment and Revitalization, Language description and Linguistic Typology, Data Collection and Handling, Language Technology, Linguistic Anthropology

### **Education**

PhD – Linguistics Radboud University Nijmegen (The Netherlands)

Dissertation: The Life of Language: Dynamics of Language Contact in

Suriname. Utrecht: LOT Publications.

http://www.lotpublications.nl/Documents/348\_fulltext.pdf

Defense Date: 2014•01•31

MA – Linguistics Leiden University (The Netherlands)

Thesis: Prosodic features of Soninke of Gambia

Graduation: 2009•01

BA – Anthropology and African & African American Studies (Double Major)

Rhode Island College (USA)

Graduation: 2006

#### **Employment**

2020–Present	Research Associate
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Department of English and American Studies, Friedrich-Schiller

University (Germany)

2020–Present Teaching Adjunct

Department of Linguistics and Philology. Uppsala University

(Sweden)

2019–2020 Project Assistant (20%)

Department of Linguistics and Philology, Uppsala University (Sweden)

2017–2019 Postdoctoral Researcher

The Hugo Valentin Centtre, Uppsala University (Sweden)

2016–2017 Assistant Professor [adiunkt naukowy]

Wydzał "Artes Liberales", University of Warsaw (Poland)

2015 Temporary Lecturer

Department of Aesthetics and Communication, Aarhus University

(Denmark)

2015 Research Assistant

Max Planck Institute for the Science of Human History (Germany)

2014 Research Assistant

Department of Aesthetics and Communication, Aarhus University

(Denmark)

2009–2014 Promovendus (PhD Student)

Department of Linguistics, Radboud University Nijmegen (The

Netherlands)

# **Complete List of Publications**

**Borges,** Robert and Tymoteusz Król. 2019. The relationship between literature and languageAar revitalization: "RewiTEATRalizacja" in Wilamowice. *Multiethnica* 39: 25–37.

**Borges**, Robert. 2019. Rapid Automatized Picture Naming as a Proficiency Assessment for Endangered Language Contexts: Results from Wilamowice. *Journal of Communication and Cultural Trends* 1(1):1–25.

Olko, Justyna, Robert **Borges**, and John Sullivan. 2018. Convergence as the Driving Force of Typological Change in Nahuatl. *STUF - Language Typology and Universals* 71(3): 467–507.

**Borges**, Robert. 2017. The Maroon Creoles of the Guianas: Expansion, Contact, and Hybridization. In *Boundaries and Bridges: Language Contact in Multilingual Ecologies*. Kofi Yakpo and Pieter Muysken, eds. Pp. 87–128. Berlin: De Gruyter Mouton.

**Borges**, Robert. 2017. The People and Languages of Suriname. In *Boundaries and Bridges: Language Contact in Multilingual Ecologies*. Kofi Yakpo and Pieter C. Muysken, eds. Pp. 21–54. Berlin, Boston: De Gruyter.

**Borges**, Robert, Pieter Muysken, Sophie Villerius, and Kofi Yakpo. 2017. The Tense-Mood-Aspect Systems of the Languages of Suriname. In *Boundaries and Bridges: Language Contact in Multilingual Ecologies*. Kofi Yakpo and Pieter C. Muysken, eds. Pp. 311–362. Berlin, Boston: De Gruyter.

**Borges**, Robert. 2016. Ritual Language Formation and African Retentions in Suriname. *OSO Tijdschrift Voor Surinamistiek* 35(1): 225–245.

**Borges**, Robert. 2016. Language Shift among the Coppename Kwinti: The Role of Social Factors and Adstrate Languages. In *Integral Strategies for Language Revitalization*. Justyna Olko, Tomasz Wicherkiewicz, and Robert Borges, eds. Pp. 483–522. Warsaw: Warsaw University Press.

Olko, Justyna, Tomasz Wicherkiewicz, and **Robert Borges** (eds). 2016. *Integral Strategies for Language Revitalization*. Warsaw: University of Warsaw.

**Borges**, Robert. 2015. Amerindian-Maroon Interactions in Suriname and the Linguistic Consequences. In *Languages in Contact*. Piotr Chruszczewski, John R. Rickford, and Richard Lanigan, eds. Pp. 99–115. Wrocław: Prace Komisji Nauk Filologicznych Oddziału PAN we Wrocławiu [Philological Sciences Commission of the Polish Academy of Science in Wroclaw Press].

Yakpo, Kofi, Margot van den Berg, and **Robert Borges**. 2015.On the Linguistic Consequences of Language Contact in Suriname: The Case of Convergence. In *In and out of Suriname: Language, Mobility and Identity*. Eithne Carlin, Isabelle Léglise, Bettina Migge, and Paul Tjon Sie Fat, eds. Pp. 164–195. Leiden: Brill.

- Muysken, Pieter C., Norval Smith, and **Robert Borges** (eds). 2015. *Surviving the Middle Passage, The West Africa-Surinam Sprachbund*. Berlin: De Gruyter Mouton.
- **Borges**, Robert. 2014. The Role of Extralinguistic Factors in Linguistic Variation and Contact Induced Language Change among Suriname's Coppename Kwinti and Ndyuka *Maroons. Acta Linguistica Hafniesia* 45(2): 1–19.
- **Borges**, Robert. 2014. Particle Verbs in the Surinamese Creoles. *Journal of Germanic Linguistics* 26(3): 223–247.
- **Borges**, Robert. 2013. *The Life of Language: Dynamics of Language Contact in Suriname*. Utrecht: LOT Publications.
- **Borges**, Robert. 2013. Linguistic Archaeology, Kinship Terms, and Language Contact in Suriname. *Anthropological Linguistics* 55(1): 1–35.

#### **Talks and Lectures**

- **Borges**, Robert. 2019. Documenting Language Change: New Speakers, "Language Activism" and Multilingual Practice in Wymysoü and Kaszëbë.Paper given at the Uppsala Language Documentation Group's *Workshop on language documentation: multilingual settings and technological advances*, Uppsala University.
- **Borges**, Robert and Margot van den Berg. 2019. Automating Corpus Construction for Documentation of Regional Varieties and Multilingual Praxis: Surinamese Dutch in the Parliament. Paper given at the Uppsala Language Documentation Group's *Workshop on language documentation: multilingual settings and technological advances*, Uppsala University.
- **Borges**, Robert. 2019.Fieldwork in Kaszebe: documenting developments in Kashubian via young speakers. Paper given at the Uppsala Language Documentation Group's *working papers in language documentation* lecture series, Uppsala University.
- **Borges**, Robert and Margot van den Berg. 2019. Language contact and language choice in parliamentary speech in Suriname. Paper given at Society for Pidgin and Creole Linguistics' summer meeting, University of Lisbon.
- **Borges**, Robert. 2019. Automated Spoken-Language Corpus Building: Code Mixing in De Nationale Assemblée. *Working Group for Empirical Linguistics regular lecture series*, Uppsala University, Department of Linguistics and Philology.
- **Borges**, Robert. 2018. From Attitudes to Proficiency and Use: Identity and Language Practices among New Speakers of Wymysorys. *Combating language endangerment and death*, *special lecture series*, Uppsala University, Hugo Valentin Centre.
- **Borges**, Robert 2018. Language Contact, Proficiency, or "Normal" Language Change: Case and Gender in New Speaker Varieties of Wymysorys. *Language contact workshop*. Uppsala University, Department of Linguistics and Philology.
- **Borges**, Robert. 2018. Language Acquisition or Change...or Both?: Gender and Case in New Speaker Varieties of Wymsorys. *Special Guest Lecture* Polish Academy of Science, Institute of Slavic Studies [Warsaw].
- **Borges**, Robert. 2018. Rapid Automatized Picture Naming as a Proficiency Assessment for Endangered Language Contexts: Results from Wilamowice. *Working group in Empirical Linguistics regular lecture series*, Uppsala University, Department of Linuistics and Philology.

- **Borges**, Robert. 2018. Rapid Automatized Picture Naming as a Proficiency Assessment for Endangered Language Contexts: Results from Wilamowice. *Advanced Seminar Series*, Uppsala University, Hugo Valentin Centre.
- **Borges**, Robert. 2017. The New Speakers of Wymysorys: The Reconstitution of the Local Language and Sociolinguistic Identity in Wilamowice. *Advanced Lecture Series*, Uppsala University, Hugo Valentin Centre.
- **Borges**, Robert. 2017. New Speakers and Methodological Approaches to Measuring the Success of Revitalization in Wilamowice. *Engaged Humanities in Europe Conference*, University of Warsaw, Faculty "Artes Liberales."
- **Borges**, Robert. 2017. Methodological Approaches to the Study of Five Centuries of Language Change in Nahuatl. *Europe and the Americas: Multiple faces of Contact*. University of Warsaw, Faculty "Artes Liberales."
- **Borges**, Robert, and Justyna Olko. 2017. Locus of Marking in Nahuatl and Spanish: Contact-Induced Morphological Change. *Chicago Linguistics Society annual conference*, University of Chicago, Department of Linguistics.
- **Borges**, Robert, and Justyna Olko. 2017. Head and Dependent Marking in Nahuatl: The Influence of Spanish on the Morphysyntactic Profile of Nahuatl. *Northeastern Nahuatl Studies Group annual meeting*, Yale University.
- Chromik, Bartłomiej, Robert **Borges**, Justyna Olko, and Tymoteusz Król. 2017. Field School in Wilamowice: Seeking a Model of Collaboration between Academia, Minority Cultures and Local Communities in Support of the Revitalization of Endangered Languages. *Minor Cultures in Dialogue: Resisting Homogenization through Exchanging Experiences and Collaboration*, University of Silesia in Katowice, Centre for the Study of Minor Cultures.
- **Borges**, Robert. 2016. [Plenary] Beyond Words: Structural and Distributional Effects of Language Contact. *Languages in Contact Conference*, Higher School of Philology in Wrocław [Poland].
- **Borges**, Robert. 2016. Cultural Contact and Fieldworker Considerations: Anecdotes from Fieldwork in Suriname. Fieldschool plenaries, Wilamowice, Poland [organized by University of Warsaw, Faculty of "Artes Liberales"].
- **Borges**, Robert. 2016. Maroon Multilingualism in the Guianas: Formation of Social and Geographic Language Spaces. *Language documentation and linguistic diversity preconference workshop on small-scale multilingualism*. School of Oriental and African Studies [London].
- Olko, Justyna, and Robert **Borges**. 2016. Structural Convergence and Typological Change in Nahuatl. *Poznań Linguistics Meeting*, Adam Mickiewicz University Poznań, Department of Linguistics.
- Olko, Justyna, and Robert **Borges**. 2016. Typological Change in Nahuatl. *Europe and the Americas in Contact conference*, University of Warsaw, Faculty "Artes Liberales."
- **Borges**, Robert. 2015. Songhay Languages: A Post-Creole Language Family? *Creolistics X*, Aarhus University, Department of Aesthetics and Communication.
- **Borges**, Robert. 2015. Songhay Languages: A Post-Creole Language Family or a Genetic Explanation? Guest lecture at Max Planck Institute for Psycholinguistics, Nijmegen [Netherlands].
- **Borges**, Robert. 2015. The Problem of Songhay Classification as a (Post)Creole Revisited. *Society for Pidgin and Creole Linguistics Summer Conference*, Graz University.

- **Borges**, Robert. 2014. Ritual Language Formation and African Retentions in Suriname: The Case of Kumanti. *Languages in Contact Conference*. Higher School of Philology in Wrocław [Poland].
- **Borges**, Robert. 2014. Kumanti in Contact: Creation of a Ritual Vernacular. Guest lecture at CNRS Paris.
- **Borges**, Robert. 2014c Amerindian-Maroon Interactions in Suriname and the Linguistic Consequences. *Język*, *Kultura*, *Komunikacja* [Language, culture, and communication], Opole University of Technology [Poland].
- **Borges**, Robert. 2014. Creolization and Language Contact in Suriname. Special guest lecture at Higher School of Philology in Wrocław [Poland].
- **Borges**, Robert. 2013 Creoles and beyond: Agents and Directionality in the Surinamese Contact Setting. *Workshop on Creole Linguistics*, Raadboud University Nijmegen, Department of Linguistics.
- **Borges**, Robert. 2012. Recreolization of Coppename Kwinti: The Influence of Adstrate Languages on a Surinamese Maroon Creole. *Creolistics IX*, Aarhus University, Department of Aesthetics and Communication.
- **Borges**, Robert. 2012. The Dutch Influence on Suriname's Creole Languages. *Conference on overseas Dutch*, Free University of Brussels.
- **Borges**, Robert. 2012c The Role of Extralinguistic Factors in Contact Induced Language Change among Suriname's Maroons. *Workshop on Language Contact and Convergence in Suriname*, Amsterdam [hosted by Radboud University Nijmegen, Departmentn of Linguistics].
- **Borges**, Robert. 2012. Kumanti: A Ritual / Spirit Language among Suriname's Ndyuka Maroons. *Secret and Ritual Languages Workshop*, Koninklijke Nederlandse Akademie van Wetenschappen [Dutch Royal Institude of Science] Amsterdam.
- **Borges**, Robert. 2011. Field Report: Data Collection in Suriname. *Language in Time and Space regular lecture series*, Radboud University Nijmegen, Department of Linguistics.
- **Borges**, Robert. 2011. [Poster] Structural (Dis)Similarity and Recipient Language Agentivity in Suriname. *Rethinking contact induced change*, Leiden University Centre for Linguistics.
- **Borges**, Robert. 2011. Ritual Language Formation and African Retentions in Suriname. *Society for Pidgin and Creole Linguistics Winter Conference*, University of Ghana.
- **Borges**, Robert. 2010. Working with a Ritual Language: Kumanti. *Language in Time and Space regular lecture series*, Raadboud University Nijmegen, Department of Linguistics.
- **Borges**, Robert, Kofi Yakpo, and Stanley Hannenberg. 2011 Fieldwork in Suriname. *Language in Time and Space regular lecture series*, Radboud University Nijmegen, Department of Linguistics.
- **Borges**, Robert. 2010. Working with a Ritual Language: Kumanti. *Kréyòl: graduate student workshop on creole linguistics*, Groesbeek, NL [organized by Radboud University Nijmegen, Department of Linguistics.
- **Borges**, Robert. 2009. Kinship Semantics and Linguistic Archaeology: Digging for Traces of Contact in Suriname. *The Amazon Fringe workshop*, Berg en Daal, NL [organized by Radboud University Nijmegen, Department of Linguistics].

**Borges**, Robert. 2009. Kinship Semantics and Linguistic Archaeology: Digging for Traces of Contact in Suriname. *Language in Time and Space regular lecture series*, Radboud University Nijmegen, Department of Linguistics.

**Borges**, Robert. 2008 The Songhay Problem: Contact or Misclassification? *Friday Lecture Series in Linguistics*, Leiden University Centre for Linguistics.

## **Teaching Experience**

Course (planned) RM1 State-of-the-art Methods in Sociolinguistics (MA and PhD level)

Landelijk Onderzoekschool Taalwetenschap (Dutch Graduate School

in Linguistics), co-taught with Margot van den Berg

Winter 2021

Course (planned) Introduction to Linguistics (two sections at BA level)

Department of English and American Studies, Friedrich-Schiller

University Autumn 2020

Course (ongoing) Functional Grammar II (BA level with 1 PhD student)

Department of Linguistics and Philology, Uppsala University

Autumn 2020

Course (Planned) Linguistic fieldwork: Data collection and data handling (BA level,

graduate students and community stakeholders)

CNRS-IKER Basque Summer Tutorial on Language Documentation Summer 2020, postponed to Summer 2021 due to Corona virus

Course Language, Culture, and Thought (Språk, Kultur och Tanke), BA level

Department of Linguistics and Philology, Uppsala University

Spring 2020

Course Introduction to Corpus Linguistics (BA, MA level)

Department of English and American Studies, Friedrich-Schiller

University Spring 2020

Course "English Grammar" – describing varieties of English in typological

perspective (BA level)

Department of English and American Studies, Friedrich-Schiller

University (Spring 2020)

Course Current Trends in Linguistics — Language Contact: Endangerment,

Revitalization, and New Speakers (BA and MA level)

Department of Linguistics and Philology, Uppsala University

Spring 2019

Lecture Structural Changes in Three Unrelated Cases: Maroon Creoles,

Nahuatl, and Wymysorys

Course: Flerspråkighet och språkkontakt i svenskt och internaionellt perspektiv [Multilingualism and language contact in Swedish and international perspective] (BA level), Hugo Valentin Centre, Uppsala

University, 2018, 2019

Lecture Language Revitalization: The case of Wymysorys

Course: Flerspråkighet och språkkontakt i svenskt och internaionellt perspektiv [Multilingualism and language contact in Swedish and international perspective] (BA level), Hugo Valentin Centre, Uppsala

University, 2018, 2019

Course Current Trends in Linguistics — Language Contact: Endangerment,

Revitalization, and New Speakers (BA and MA level)

Department of Linguistics and Philology, Uppsala University

Spring 2018

Lecture What is Sociolinguistics?

Course: Postgraduate Seminar (postgraduate seminar), Institute of

Slavic Studies, Polish Academy of Science Warsaw, 2018

Lecture Fieldwork in Sociolinguistics

Course: Språket, individen och samhället [Language, individual and society] (BA level), Department of Linguistics and Philology, Uppsala

University, 2018

Lecture A Survey of the Coppename Kwinti; code-mixing, language variation,

and/or language shift

Course: Toward a World of Cultural Abundance: Reaching Globally to

Revitalize Endangered Languages (BA level), Wydział "Artes

Liberales", University of Warsaw, Spring 2016

Course Contact Linguistics (postgraduate level)

Wydział "Artes Liberales", University of Warsaw

Summer 2015

Course Language, Culture, Society (BA level)

Department of Aesthetics and Communication, Aarhus University

Spring 2015

Course Contact Linguistics (MA level research workshop)

Department of Aesthetics and Communication, Aarhus University

Spring 2015

Lecture Anthropological Linguistics: Perspectives on Kinship Systems

Course: taal en cultuur [language and culture] (BA level), Department

of Linguistics, Radboud University Nijmegen, 2012

Lecture Language Maintenance and Death: the Case of Kwinti

Course: taal en cultuur [language and culture] (BA level), Department

of Linguistics, Radboud University Nijmegen, 2011

Lecture Fieldwork in Suriname: Practicalities, Challenges, and Language

Contact

Course: Introduction to Linguistics (BA level), Department of

Linguistics, Radboud University Nijmegen, 2011

#### Grants

Recipient Short research exchange for the purpose of collaborative research

relating to endangered, minority language activism in Europe Vitterhetsakademien (nomination)—Polish Academy of Science, Institute of Slavic Studies (destination), 2018 (ca. SEK15000)

Contributing author Language as a cure

Funded by Polish Science Foundation, TEAM competition 2016. Administered by Wydział "Artes Liberales" University of Warsaw

(PLN 3,499,295)

Contributing author Collaborative Research, Community Engagement, and Innovative

**Educational Tools** 

Funded by EU Horizon 2020, RISE call 2017, Administered by Wydział "Artes Liberales" University of Warsaw (€1,579,500)

Recipient Documenting Kumanti: an endangered ritual language spoken among

Surinamese Maroons

Fund for Endangered Languages, 2010 (USD 750)

# Language technology (pre)Releases

E Karttunen

This is a GUI application for F. Karttunen's 1992 Analytical

Dictionary of Nahuatl

https://github.com/BobBorges/E Karttunen

**ELAN-Floyd** merge

This is a Python program to perform end-to-end merge two or more

Elan projects with identical tier structure.

https://github.com/BobBorges/ELAN\_floyd-merge

Europarl Speech Recognition pipe

This is a program (Bash and Python) that automates processing of mp4

recordings of sessions from the EU parliament. It (a) extracts

embedded audio track (one per EU language), (b) chunks audio tracks by utterances, (c) recognizes whether each audio chunk is natural speech or a simultaneous translation, (d) processes each chunk with Speech to Text software (supported languages, all but Maltese =

19/20), and (e) populates an Elan (.eaf) document with a set of tiers for each language – transcription with time-aligned utterance chunks, SR confidence score per chunk, and 'is translation' bool per chunk.

https://github.com/BobBorges/Europarl\_sr-pipe (private repo)

Nahuatl NLP

Beta version. Python module for analysis of Nahuatl textual data.

Tokenize, parse morphology, gloss, POS-tag.

https://github.com/BobBorges/Nahuatl\_NLP (private repo)

Speech Recognition pipe

This is a set of programs (Bash and Python) that will (a) chunk by utterance, and (b) speech recognize chunks of a media file given a specified language. The output is populated into a time aligned (by

chunk) Elan (.eaf) file.

https://github.com/BobBorges/SR\_pipe (private repo)

Short way to Elan

This is a set of bash scripts for efficiently managing audio data that need to be available to Elan in customary nested folder structure, and for other purposes that require non-nested structures. Nest, de-nest

files; automated creation of .eaf documents; extract annotations to txt, populate annotations from txt.

https://github.com/BobBorges/Short-wav\_to\_elan

Wymysorys Pro Keyboard layout for Linux

This is a Linux-friendly keyboard layout for writing in the Wymysorys

language

https://github.com/BobBorges/Wymysorys\_pro\_KB

Wymysorys Pro Keyboard layout for MacOS

This is a MacOS-friendly keyboard layout for writing in the

Wymysorys language

https://github.com/BobBorges/Wymysorys\_Pro\_KB-macOS

## **Ancillary Activities**

Thesis committee Participation in the thesis committee for two submitted doctoral

dissertations in linguistics from the University of Management and Technology, Lahore, Pakistan. Submissions received early 2020

Event organization Uppsala Language Documentation Group Workshop on language

documentation: multilingual settings and technological advances, 2019

Peer review Journal of Communication and Cross Cultural Trends, article

submission, 2019

Event organization Combating Language Endangerment and Death, Hugo Valentin Open

Lecture Series. Hugo Valentin Centre, Uppsala University. 2018

Peer review Nederlandse Organizatie voor Wetenschappelijk Onderzoek [Dutch

organization for scientific research], project application 2018

Peer review *Adeptus*, article submission, 2018

Peer review Edited volume on Surinamese Creole Linguistics (title is a secret, eds.

Enoch Aboh, Norval Smith & Tonjes Veenstra), chapter, 2018

Event organization Developing practical skills for transforming documentation into multi-

*dimensional materials for transdisciplinary humanistic research*, workshop within the framework of the Engaged Humanities in Europe

project, Wydział "Artes Liberales", University of Warsaw, 2017

Peer review Poznań Studies in Contemporary Linguistics, chapter submission,

2017

Event organization Applicability of results of research on language and culture, and the

models of practical applications: understanding societal and cultural

challenges, workshop within the framework of the Engaged

Humanities in Europe project, Wydział "Artes Liberales", University

of Warsaw, 2016

Event organization Fieldschool for the documentation of endangered languages and

*cultures in Wilamowice* (co-organizer), fieldschool within the framework of the Engaged Humanities in Europe project, 2016

Event organization A fresh look at contact-induced changes in language structure: the role

of large scale corpora in contact linguistics, thematic session at the Poznań Linguistics Meeting, Adam Mickiewicz University Poznań,

2016

Event organization Practical applications, understanding societal and cultural challenges

and Teaching minority languages, methodology and curriculum development, workshop within the framework of the Engaged Humanities in Europe project, Wydział "Artes Liberales", University

of Warsaw, 2016

Event organization Capacity-building in methodology and theory of transdisciplinary

research on cultural and linguistic heritage and Applicability of results of research on language and culture, workshop within the framework

of the Engaged Humanities in Europe project, Wydział "Artes

Liberales", University of Warsaw, 2016

Peer review *Creolistics XI* (University of Giessen), 15 abstracts, 2016

Peer review Prace Komisji Nauk Filologicznych Oddzału Polskiej Akaedmii Nauk

we Wrocławiu [Polish Academy of Science, Wroclaw Philological

Branch], two chapter submissions, 2015

Editorial work Surviving the Middle Passage, all chapters, 2014

Event organization Contact and Convergence in Suriname: theoretical approaches and

*case studies* (co-organizer), Conference of the Traces of Contact project, Radboud University Nijmegen (venue in Amsterdam), 2012

Editorial work Brill publishers, two chapter submissions, 2011

Event organization Kréyòl: graduate seminar on pidgin and creole linguistics. Groesbeek

(the Netherlands), 2010

Student assistant Journal of African Languages and Linguistics, 2008

## **Language Skills**

English Mother Tongue
Polish Home Language
Dutch Completed B2 level

Ndyuka / Sranan Conversational competence

Wymysorys Intermediate course Beginner course Arabic, Nahuatl, Swedish

Reading knowledge Cape Verdean Creole, French, German, Papiamento, Portuguese,

Spanish, Swedish

### **Technical skills**

Operating systems Linux, MacOS

Office productivity Acrobat, Latex, LibreOffice, MS Office, iWork

Database XML, JSON, Filemaker, MySQL

Programming Python, Bash, R, HTML-CSS-JavaScript

Analytical ELAN, FleX, Praat, SplitsTree, QDA Miner, TAMS analyzer, AtlasTI Audio Ardour, Audacity, LogicPro, and ample analogue audio experience