

Classics, Modern Languages and Linguistics  
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# Joel Dunham

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## Education

- 2014 Ph.D. Linguistics, University of British Columbia.  
Dissertation: The Online Linguistic Database: Software for Linguistic Fieldwork.
- 2011 Summer Institute, Linguistic Society of America, University of Colorado at Boulder.
- 2006 B.A. Philosophy (Linguistics minor), University of British Columbia.

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## Appointments

- 2014-Present Postdoctoral Fellow, Department of Classics, Modern Languages, and Linguistics, Concordia University, Montréal.  
Lead designer and programmer for an international grant to help develop online technologies for language documentation and computational modelling. Deployed the resulting software for 21 research groups and presented and gave tutorials on it at major conferences.

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## Publications

### Edited Volumes

- 2013 Dunham, Joel, Patrick Littell, & John Lyon (eds.). *Papers for ICSNL XLVIII: the Forty-eighth Conference on Salish and Neighbouring Languages*. Vancouver: the University of British Columbia Working Papers in Linguistics, volume 35.
- 2012 Dunham, Joel, John Lyon & Natalie Weber (eds.). *Papers for ICSNL XLVII: the Forty-seventh Conference on Salish and Neighbouring Languages*. Vancouver: the University of British Columbia Working Papers in Linguistics, volume 32.
- 2011 Dunham, Joel & John Lyon (eds.). *Papers for ICSNL XLVI: the Forty-sixth Conference on Salish and Neighbouring Languages*. Vancouver: the University of British Columbia Working Papers in Linguistics, volume 30.
- 2010 Dunham, Joel & John Lyon (eds.). *Papers for ICSNL XLIV/XLV: the Forty-fourth and Forty-fifth Conferences on Salish and Neighbouring Languages*. Vancouver: the University of British Columbia Working Papers in Linguistics, volume 27.
- 2009 Szakay, Anita, Connor Mayer, Beth Rogers, Bryan Gick & Joel Dunham (eds.). *Papers for the Interlocution Workshop: Linguistic structure and human interaction*. Vancouver: the University of British Columbia Working Papers in Linguistics, volume 24.

## Book Chapters

- In press Gambarage, Joash, Andrei Anghelescu, Strang Burton, Erin Guntly, Joel Dunham, Hermann Keupdjio, Zoe Wai-Man Lam, Adriana Osa-Gomez, Douglas Pulleyblank, Dayanqi Si, Yoshiko Yoshino, & Rose-Marie Déchaine. The Nata Documentation Project: An Overview. In Jason Kandybowicz (ed.), *Africa's Endangered Languages*. Oxford: Oxford University Press.

## Refereed Conference Proceedings

- 2014 Dunham, Joel, Gina Cook & Joshua Horner. LingSync & the Online Linguistic Database: New models for the collection and management of data for language communities, linguists and language learners. In Jeff Good, Julia Hirschberg & Owen Rambow (eds.), *Proceedings of the 2014 Workshop on the Use of Computational Methods in the Study of Endangered Languages*, 24-33. Baltimore, MD: Association for Computational Linguistics.
- 2013 Dunham, Joel. The Blackfoot Language Database. In K. S. Hele and J. R. Valentine (eds.), *Papers of the Forty-First Algonquian Conference*, 75-80. Albany, NY: SUNY Press.
- 2009 Dunham, Joel. I qwlhí7censa sHenry: Henry's shoes. In L. Matthewson, C. Christodoulou, J. Lyon & M. A. Oberg (eds.), *Wenácw Iz': Sqwéqwel's sLaura. True Stories by Laura Thevarge*, 31-35. Vancouver, BC: UBC Working Papers in Linguistics, volume 22.
- 2007 Dunham, Joel. The 'durative' in Blackfoot: understanding imperfectivity. In A.R. Deal (ed.), *SULA 4: Proceedings of the Fourth Conference on the Semantics of Under-represented Languages in the Americas*, 49-64. Amherst, MA: GLSA.
- 2006 Tan, Johanna, Joel Dunham, Caleb Lee & Eric Vatikiotis-Bateson. Initial pitch informs sentence duration, 3393. In *The Journal of the Acoustical Society of America*, 119.

## Manuscripts in Submission

- 2016 Dunham, Joel. Dative and the Online Linguistic Database: Software for collaborative linguistic fieldwork. Submitted to the *Journal of Open Research Software*.

## Manuscripts in Preparation

- 2016 Dunham, Joel. Blackfoot morphological parsers and their relevance to linguistic analysis and language documentation. Chapters 3-5 of my dissertation in preparation for submission to the *International Journal of American Linguistics*.

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## Grants

### Principal investigator

- 2010 Jacobs Research Funds Individual Grant, Whatcom Museum Foundation: *Aspect in Okanagan*. \$3,300.
- 2009 Jacobs Research Funds Group Grant, Whatcom Museum Foundation: *Select Topics in Douglas Lake Okanagan*. Co-applicants: John Lyon and Heather Bliss, \$6,600.

#### Primary grant writer

- 2010 Image, Text, Sound & Technology Grant, Social Sciences & Humanities Research Council of Canada: *Development of an online linguistic database and fieldwork data-sharing application*. PI: M. Wiltschko, \$47,600.

#### Co-applicant

- 2011 Jacobs Research Funds Group Grant, Whatcom Museum Foundation: *The Okanagan Pre-predicative Zone*. PI: J. Lyon, \$6,600.
- 2007 Jacobs Research Funds Group Grant, Whatcom Museum Foundation: *Collecting Blackfoot Narratives*. PI: M. Wiltschko, \$6,600.

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### Awards & Fellowships

- 2011 Linguistic Institute Fellowship, Linguistic Society of America.
- 2007 Canada Graduate Scholarship Doctoral Award, Social Sciences & Humanities Research Council of Canada.
- 2006 Graduate Entrance Scholarship, University of British Columbia.

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### Invited Talks

- 2015 *LingSync: Software for collaborative linguistic fieldwork*. Presentation at the Polinsky Language Sciences Lab meeting, Harvard Linguistics, May 6.
- 2015 *LingSync: Software for collaborative linguistic fieldwork*. Presentation at the Fieldwork Forum, organized by the Department of Linguistics at the University of California, Berkeley, April 2.
- 2014 *LingSync Tutorial*. Presentation at the "I'd Like to Know More About . . ." Workshop organized by the Department of Linguistics, Languages and Cultures and the Language Research Centre at the University of Calgary, November 10.

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### Conference Activity

#### Organization

- 2010 Student Co-organizer, Semantics and Linguistic Theory (SALT) 20.

#### Presentations

- 2016 *COULD Project: Dative & the OLD*, with Alan Bale. Digging Into Data Challenge Round Three Conference, Glasgow, Scotland, January 28.
- 2015 *LingSync Dative*. Presentation, tutorial and demo at the 46<sup>th</sup> annual meeting of the North East Linguistics Society (NELS 46), Montréal, Québec, October 16.
- 2015 *LingSync: Software for language documentation*. 4<sup>th</sup> International Conference on Language Documentation & Conservation (ICLDC 4), Honolulu, Hawai'i, February 28.
- 2015 *LingSync Tutorial*, with Alan Bale and Jessica Coon. Linguistic Society of America (LSA) Annual Meeting, Portland, Oregon, January 8.
- 2014 *LingSync & the Online Linguistic Database*. Simon Fraser University's First Nations Language Centre's annual all-group meeting, Vancouver, B.C., September 26.

- 2014 *LingSync & the OLD*, with Gina Chiodo. Workshop on the Use of Computational Methods in the Study of Endangered Languages (ComputEL) at the Association for Computational Linguistics (ACL) Annual Meeting, Baltimore, Maryland, June 18.
- 2014 *Tutorial on LingSync*, with Elise McClay. Exploring the Interfaces 3: Prosody and constituent structure, Montréal, Québec, May 8-10.
- 2013 *Online Linguistic Database*. 29<sup>th</sup> Northwest Linguistics Conference (NWLC), Vancouver, B.C., April.
- 2011 *Imperfective, nominalization (& irrealis) in Okanagan*. Semantics of Under-represented Languages in the Americas (SULA) 6, Manchester, U.K., May.
- 2010 *A morphological parser for Blackfoot*. 13<sup>th</sup> annual Workshop on American Indigenous Languages (WAIL), Santa Barbara, April.
- 2009 *The Blackfoot Language Database*. 41<sup>st</sup> Algonquian Conference, Montréal, Québec, October.
- 2008 *Unifying habituality and progressivity in the imperfective: a Blackfoot case study*. Chronos 8: International conference on tense, aspect, mood, and modality, Austin, TX, October.
- 2008 *Noun incorporation in Blackfoot*, with M. Barrie. 40<sup>th</sup> Algonquian Conference, Minneapolis, MN, October.
- 2007 *The 'durative' in Blackfoot: understanding imperfectivity*. Semantics of Under-represented Languages in the Americas (SULA) 4, São Paulo, Brazil, May.
- 2006 *The aspectual marker á- in Blackfoot*. Poster presented at the 38<sup>th</sup> Algonquian Conference, Vancouver, BC, October.

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## Departmental Guest Presentations

- 2014 *LingSync*, with Elise McClay. UBC Linguistics field methods class studying Gitksan, Vancouver, September.
- 2013 *The Online Linguistic Database*. UBC Linguistics field methods class studying Tlingit, Vancouver, October.
- 2012 *The Online Linguistic Database*. UBC Linguistics field methods class studying Nata, Vancouver, September.
- 2010 *The Online Linguistic Database*. UBC Linguistics field methods class studying Ktunaxa, Vancouver, September.
- 2009 *The Online Linguistic Database*. UBC Linguistics field methods class studying Kwak'wala, Vancouver, November.

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## Teaching Experience

- 2013 Teaching Assistant, *Introduction to Language and Linguistics*, the University of British Columbia.
- 2011 Teaching Assistant, *Studies in Grammar*, the University of British Columbia.
- 2005, 2006 Writing Teacher & Group Leader, Explore (Summer Language Bursary) Program, University of British Columbia.

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## Fieldwork & Documentation Experience

### Research-driven Fieldwork

- 2009-2014 Okanagan (Salish), semantics-focused fieldwork with speakers in the Douglas Lake area, BC.
- 2005-2012 Blackfoot (Algonquian), semantics-focused fieldwork with speakers in BC and Alberta; attended part of a Sun Dance ceremony.
- 2006-2007 St'át'imcets (Salish), field methods course.

### Data Migration

- 2015 Contracted to migrate a database of Thangmi (Sino-Tibetan, *thf*) texts from legacy fonts and a FileMaker Pro database to UTF-8-encoded XML and HTML by Mark Turin, First Nations and Endangered Languages Program, UBC.

### Database Construction

I have set up collaborative, web-based databases and provided technical and data migration support for research groups studying the following languages. See the OLD web site at [www.onlinelinguisticdatabase.org/apps](http://www.onlinelinguisticdatabase.org/apps).

- 2016 Chuj (Mayan, *cac*), for researchers at McGill University, included data migration.
- 2016 Georgian (Kartvelian, *kat*), for researchers and an upcoming field methods class at the University of Maryland.
- 2016 Kabyle (Niger-Congo, *kab*), for researchers and a field methods class at McGill University.
- 2016 Khmer (Austroasiatic, *khm*), for researchers at Concordia University.
- 2016 Marka (Niger-Congo, *rkm*), for researchers and a field methods class at the University of California, Berkeley.
- 2016 Mi'gmaq (Algonquian, *mic*), for researchers and documenters affiliated with the Mi'gmaq Research Partnership (an organization created to support linguistic research and language revitalization; see [migmaq.org](http://migmaq.org)), McGill University, and Concordia University; involved data migration.
- 2016 Moro (Niger-Congo, *mor*), for researchers at the University of California, Berkeley; involved data migration.
- 2016 Nepali (Indo-European, *nep*), for researchers at McGill University.
- 2016 Scottish Gaelic (Celtic, *gla*), for researchers at the University of Arizona, included data migration.
- 2014-2016 Medumba (Niger-Congo, *byv*), for researchers at the University of British Columbia.
- 2014-2016 Shona (Niger-Congo, *sna*), for researchers at the University of British Columbia.
- 2013-2016 Tlingit (Na-Dené, *tli*), for researchers and a field methods class at the University of British Columbia.
- 2012-2016 Coeur d'Alene (Salish, *crd*), for researchers at the University of British Columbia.
- 2011-2016 Gitksan (Tsimshianic, *git*), for researchers and a field methods class at the University of British Columbia.

- 2011-2016 Nata (Niger-Congo, *ntk*), for researchers and a field methods class at the University of British Columbia.
- 2010-2016 Ktunaxa (isolate, *kut*), for researchers and two field methods classes at the University of British Columbia.
- 2010-2016 Kwak'wala (Wakashan, *kwk*), for researchers and a field methods class at the University of British Columbia.
- 2010-2016 Okanagan (Salish, *oka*), for researchers at the University of British Columbia.
- 2010-2016 Plains Cree (Algonquian, *crk*), for researchers at the University of British Columbia.
- 2008-2016 Blackfoot (Algonquian, *bla*), for researchers at the University of British Columbia, the University of Calgary and elsewhere.

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## Software Development

- 2016 *Cross-OLD Searches*, developer. Command-line tool for performing advanced, asynchronous searches across multiple under-documented languages databases simultaneously. See [GitHub repo](#).
- 2014-2016 *Dative*, primary developer with contributions from Gina Chiodo. Graphical user interface for OLD web services for collaborative language documentation. See [www.dative.ca](http://www.dative.ca).
- 2012-2016 *The Online Linguistic Database* (OLD, v.  $\geq 1.0$ ), primary developer. Software for creating REST API web services for collaborative language documentation. Being used for fieldwork and analysis of 21 under-documented languages. See [www.onlinelinguisticdatabase.org](http://www.onlinelinguisticdatabase.org).
- 2014 *LingSync/FieldDB*, contributor. A collection of open-source tools designed to facilitate collaborative linguistic fieldwork and documentation. See [GitHub repo](#).
- 2009-2010 *The Online Linguistic Database* (OLD, v.  $\leq 0.2.10$ ), primary developer. Web application for collaborative documentation of arbitrary languages; now defunct, but was used for eight under-documented languages. Code available at [github.com/jrwdunham/old-webapp](https://github.com/jrwdunham/old-webapp).
- 2008 *The Blackfoot Language Database*, primary developer. Web application for collaborative documentation of Blackfoot; now defunct.

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## Service

### Reviewing

- 2016 Program Committee, ComputEL2 workshop, the Use of Computational Methods in the Study of Endangered Languages.
- 2015 Reviewer, Discourse Expectations: Theoretical, Experimental and Computational Perspectives (DETEC).

### Campus service

- 2009-2013 Editor and Webmaster for UBCWPL, Linguistics Department, UBC.
- 2008-2011 Web Committee Member, Linguistics Department, UBC.
- 2007 M.A. Student Representative, Linguistics Department meetings, UBC.

Community

2010 Language Documentation and Curriculum Development Assistant, Okanagan Language Camp (Upper Nicola Indian Band), Glimpse Lake, B.C.