

Anna Stacey

Vancouver, BC
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Education

Doctor of Philosophy (Ph.D.) in Linguistics

The University of British Columbia
Vancouver, Canada

2026–present

Master of Arts (M.A.) in Linguistics

The University of British Columbia
Vancouver, Canada

2022–2025

- Thesis: [Automatic Glossing for Northern Interior Languages Featuring Cross-Lingual Enhancements](#)
- Committee: Miikka Silfverberg (supervisor), Henry Davis, and Garrett Nicolai

Bachelor of Science (B.Sc.) with Distinction

Computer Science & Linguistics Double Major (Co-op)

The University of Manitoba
Winnipeg, Canada

2017–2022

- GPA: 4.39/4.50

Research Positions

Research Assistant

UBC Linguistics Department

Sep 2022–Aug 2025

[NorthernInteriorGlossing](#) project (with Dr. Miikka Silfverberg)

- Independently completed a large machine learning project, from data cleaning to model training & testing.
- Gathered Indigenous language datasets, incl. communicating with and getting permissions from speakers.
- Performed extensive data cleaning (developed standards, wrote Python scripts to automate cleaning, etc.)
- Trained transformer (via fairseq) and CRF (via sklearn) models, including implementing enhancements such as over-sampling, fine-tuning and data augmentation.
- Wrote a detailed report on the entire project, including error analysis and results, as my Master's thesis.

[OjibweMorph](#) project (with Dr. Chris Hammerly)

- Used Python to develop a freely-available FST for Ojibwe, wrangling a large amount of language data.
- Scraped an online dictionary to automatically create a large set of YAML tests to assess the FST.
- Released the accessible, modular FST-generating tools as a [Python package](#).
- Wrote much documentation, both for developers who use our code and for less tech-savvy FST users.
- Continue to work directly with users, adding features (e.g., Docker installation) based on feedback.

[VisualWorldTools](#) project (with Dr. Chris Hammerly)

- Independently wrote Python scripts for running experiments, interfacing with eye-tracking hardware.
- Wrote a full set of documentation, and continue to work with users, adding features as requested.

Undergraduate Researcher

UManitoba Linguistics Department (with Dr. Verónica Loureiro-Rodríguez)

May–Aug 2019

- Received funding to spend the summer conducting original sociolinguistic research, studying the vocative *bro* and its connections to speaker identity:
 - Analyzed corpus data and collected original data, including coding an online survey.
 - Shared my research with the public in an interview on CBC Radio's 'Up to Speed'.
 - Gave an award-winning presentation at UManitoba's Undergraduate Research Poster Competition.

Papers

- Hammerly, Livesay, Arppe, **Stacey**, and Silfverberg. 2026. [OjibweMorph: An approachable morphological parser for Ojibwe](#). Language Resources and Evaluation.
- Stacey**. 2026. [Glossed Data in Northern Interior Salish](#). In Proceedings of the Fifteenth Language Resources and Evaluation Conference (LREC 2026), 3490–3495. European Language Resources Association (ELRA).
- Stacey**. 2025. [Automatic glossing for Northern Interior languages featuring cross-lingual enhancements](#). M.A. thesis, University of British Columbia.
- Garcia (Kwəłtəzétkwu), Hannon, and **Stacey**. 2024. [Three Glossed Nl̓eʔkepmxcín Narratives by Kwəłtəzétkwu \(Bernice Garcia\)](#). In *Proceedings of the 59th International Conference on Salish and Neighbouring Languages*, 68–94. University of British Columbia Working Papers in Linguistics.
- Hannon, **Stacey**, and Steiner. 2023. [Glossed Conversational Data in Nl̓eʔkepmxcín](#). In *Proceedings of the 58th International Conference on Salish and Neighbouring Languages*, 117–158. University of British Columbia Working Papers in Linguistics.
- Ginn, Moeller, Palmer, **Stacey**, Nicolai, Hulden, and Silfverberg. 2023. [Findings of the SIGMORPHON 2023 Shared Task on Interlinear Glossing](#). In *Proceedings of the 20th SIGMORPHON workshop on Computational Morphology, Phonology, and Phonetics*, 186–201. Toronto, Ontario: Association for Computational Linguistics.

Funding & Awards

As part of the UBC nl̓eʔkepmxcín Lab (nl̓ab):

- **UBC Indigenous Strategic Initiatives Fund** Jul 2024
Nl̓eʔkepmxcín stories, conversations, and curriculum development
Value: \$83,164 CAD
- **Jacobs Research Funds** May 2024
Studies of the speech and structure of Nl̓eʔkepmxcín
Value: \$7,442 CAD
- **Jacobs Research Funds** May 2023
Topics in the study of Nl̓eʔkepmxcín
Value: \$8,480 CAD

Personal:

- **Canada Graduate Research Scholarship – Doctoral (CGRS-D)** Sep 2026
Source: Social Sciences and Humanities Research Council of Canada (SSHRC)
Value: \$120,000 CAD
- **Canada Graduate Scholarships – Master's Program (CGS-M)** Sep 2023
Source: Social Sciences and Humanities Research Council of Canada (SSHRC)
Value: \$17,500 CAD

- **Edna Dharmaratne Award** Apr 2023
Source: UBC Department of Linguistics
Value: \$1,000 CAD
- **McCall MacBain Regional Award** Sep 2022
Source: McCall MacBain Foundation
Value: \$5,000 CAD
- **Ralph G. Stanton Scholarship** 2021
Source: UManitoba
Value: \$3,400 CAD
- **President's Scholarship** 2018-2020
Source: UManitoba
Value: \$1,000 CAD annually
- **Women in Computer Science Scholarship** 2020
Source: UManitoba
Value: \$2,300 CAD
- **Undergraduate Research Award** May 2019
Source: UManitoba
Value: \$7,000 CAD
- **Ubisoft Winnipeg Scholarship for Women in Computer Science** 2019
Source: Ubisoft Winnipeg
Value: \$1,000 CAD
- **UM Queen Elizabeth II Entrance Scholarship – Tier 1** 2017
Source: UManitoba
Value: \$3,000 CAD

Conference Presentations

nleMorph: Old School Language Technology for Fun with nle?kepmxcín Words

- International Conference on Salish & Neighbouring Languages (ICSNL) 61
Lil'wat Nation (Mount Currie), Canada, co-presented with Noah Luntzlara Jul 2026

Glossed Data in Northern Interior Salish

- Language Resources and Evaluation Conference (LREC)
Palma, Spain May 2026

An Investigation into the Vocative Bro: Connections Between Speaker, Purpose & Position

- Sociolinguistics Symposium 23
The University of Hong Kong (online) Jun 2021
- The Annual Conference of the International Network on Address Research (INAR)
The University of Bergamo, Italy (online) Jun 2021
- The Annual Conference of the Canadian Linguistics Association (CLA)
The University of Western Ontario, Canada (online) Jun 2020

Work Experience

Programmer Analyst – Learning Analytics

UBC, Learning Technology Innovation Centre (LTIC) (Full-time)

Vancouver, Canada

Oct 2025–Aug 2026

- Fulfilled faculty data requests with SQL queries & Python (pandas) post-processing on university-wide data.
- Made data-driven pedagogical research possible by gathering and preparing data for faculty-led studies.
- Served as a subject matter expert on learning data for the development of a Canvas-integrated dashboard, leading data validation, investigating edge cases, and creating documentation for devs and end users alike.

Teaching Assistant

UBC, LING 242: Computational Tools for Linguistic Analysis (Part-time)

Vancouver, Canada

Jan 2024–Apr 2024

- Graded student assignments and exams as they learnt shell commands for NLP tasks.
- Answered student questions during their weekly lab sessions.
- Supervised small groups of students in the development of a final research project.

Application Developer, Co-op Work Term II & III

Niche Technology (Full-time)

Winnipeg, Canada

May–Dec 2021

- Performed full-stack development in a huge codebase (in C#, C++, XAML and several custom languages):
 - Fulfilled countless customer requests for changes to the company's incident-reporting software, ranging from database changes to UI modifications.
 - Completed a large independent project involving piecing together a new view, where I was responsible for breaking down this multi-month project into manageable pieces and performing extensive testing and quality assurance.
 - Worked extensively on code refactoring: increasing readability, reducing duplication, and suggesting organizational improvements.

Grader

UManitoba, COMP 4620: Professional Practice (Part-time)

UManitoba, COMP 3040: Technical Communication (Part-time)

Winnipeg, Canada

May–Jun 2021

Sep–Dec 2020

- The only student from my class asked to return as a marker, tasked with evaluating students' assignments & tests and providing detailed feedback to every student giving specific advice on writing effectively in the computer science context.

Junior Tools Developer, Co-op Work Term I

Ubisoft (Full-time)

Winnipeg, Canada

Jun–Aug 2020

- Added new functionality to an internal website, including modifying the site's appearance/interactions in consultation with the UX team and modifying the corresponding API to pre-calculate data for the site.
- Created the very first prototype for a new project by learning a JavaScript library and framework that were new to the entire team, and deciding how to fulfill functionality requirements by creatively combining the available tools.

Barista & Barista Trainer

Starbucks (Part-time)

Winnipeg, Canada

Jul 2016–Apr 2019

- Interacted professionally with the public and worked efficiently with a team under pressure.
- Selected for further training to be designated as my location's only Barista Trainer, due to my friendly nature and commitment to high standards.

Volunteering

Senior Volunteer

Sep 2023–Apr 2024

General Volunteer

Sep 2022–Apr 2023

UBC Sprouts

Vancouver, Canada

- Co-led a small team of fellow student volunteers in a weekly shift at Sprouts Café, providing low-cost, vegan food to UBC students to fight food insecurity.

Mentor

UBC WICS (Women in Computer Science)

Vancouver, Canada

Sep 2022–Apr 2023

- Met regularly with an assigned undergraduate mentee, to provide advice and support on navigating the computer science degree as a woman.

Vice-President

UManitoba WICS (Women in Computer Science)

Winnipeg, Canada

Apr 2021–Apr 2022

- Ensured successful club functioning by handling administrative tasks alongside the President, regularly checking in on and assisting other executives with their duties, and attending regular team meetings.
- Helped facilitate club events with the team, such as the industry-networking 'Mentor Mingles'.
- Revived an idea for female peer mentorship in the department. Organized many planning meetings, recruited and matched mentors/mentees and managed this program to ensure newcomer women have an approachable role model to support their establishment in the field.
- Alongside our Outreach Coordinator, planned and presented at high school outreach events directed primarily at girls, and initiated an event to welcome women new to the department and provide guidance.
- Created a speaker series highlighting women faculty in the department.
- Attended all meetings of the Computer Science Students' Association's executive team, as the designated female vote on this typically all-male group of student representatives.
- Selected to participate in Ubisoft Winnipeg's Nova Leadership Training for Women.

President

Sep 2020–May 2021

Vice-President of Events

Sep 2019–May 2020

Linguistic-ISH (UManitoba Undergraduate Linguistics Club)

Winnipeg, Canada

- Oversaw a small team of Linguistics students, working to make our department a community.
- Alongside the VP of Events, planned a year's worth of events ranging from casual, community-building hangouts to career-focused sessions featuring speakers and presentations.
- Liaised between students and faculty, including spearheading student support for a new Honours program.
- Managed our social media platforms and created all advertising and communications.
- Opened and managed an online Discord server, now the go-to place to meet and discuss classes.
- Created such student engagement that we had more interest than ever for joining the team the next year!

Activity Coordinator

Go Code Girl

Winnipeg, Canada

Feb 2020

- Helped small groups of middle-school girls participate in fun, coding-inspired activities.

Organizer

Manitoba Youth for Climate Action

Winnipeg, Canada

Summer 2019

- Attended regular meetings with fellow passionate youth to organize local environmental activism, and spoke in front of my peers in the classroom and at our climate action rally with 10,000 estimated attendees.

Volunteer English Tutor

English Language Centre

Winnipeg, Canada

Jan-Apr 2019

- Met weekly with an international student to help with English and feeling at home in Canada.