

CAROLYN ANDERSON

CONTACT INFORMATION

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EDUCATION

Swarthmore College, Swarthmore, PA GPA: 3.93 | in major GPA: 3.96
Bachelor of Arts in Linguistics and minor in Computer Science with High Honors, May 2014

AWARDS

Fulbright Research Scholar (2014-2015); Phi Beta Kappa Inductee (2014); The Linguistics Prize in Applications of Theory, Swarthmore College (2014); Computing Research Association Outstanding Undergraduate Researchers Award Finalist (2014); National Merit Scholar (2010)

EXPERIENCE

Fulbright Fellow, University of Victoria and McGill University 2014-2015

- Conducted research on technology and First Nations language revitalization under the supervision of Professors Leslie Saxon and Jessica Coon
- Interviewed language activists, linguists, and First Nations community members about their beliefs on the relationship between technology and language
- Audited Professor Saxon's Researching Community-Based Initiatives in Language Revitalization class

Research Assistant, Ticha Digital Humanities Project, Haverford College Summer 2014

- Transcribed sections of the Arte en Lengua Zapoteca, a 16th century grammar of Colonial Zapotec
- Encoded the transcribed Arte in TEI, the XML standard for digital humanities projects
- Designed new website for the Ticha project and developed content to explain the language and its cultural context to a range of audiences.

Research Assistant, Linguistics Department, Swarthmore College Spring 2014

- Worked with Professor Brook Lillehaugen on Colonial Valley Zapotec, an indigenous Mexican language
- Transcribed, analyzed, and translated Colonial Valley Zapotec texts into English.
- Expanded the FLEx database of Colonial Valley Zapotec texts.

Research Intern, Computer Science Department, Cornell University Summer 2013

- Worked with Professor Nate Foster on Frenetic, a network programming language
- Proved soundness of language's equational theory with respect to its denotational semantics in the Coq proof assistant
- Developed tests for reachability properties by relating the denotational semantics to a language model

Grader, Linguistics Department, Swarthmore College 2011-2013

- Grader of weekly problem sets for Semantics (Fall 2011; Fall 2013)
- Grader of midterm papers for Syntax (Fall 2012)

Independent Researcher, Rabat, Morocco Spring 2012

- Designed and carried out independent research on the language usage and attitudes of Moroccan students at Mohammed V University
- Administered 90 surveys in three languages and translated results from French and Arabic
- Presented evidence of a new language ideology emerging among educated urban youth

TALKS AND PUBLICATIONS

Anderson, Carolyn Jane and Brook Danielle Lillehaugen, The Morphosyntax of Negation in Colonial Valley Zapotec. Presented at the Society for the Study of Indigenous Languages of the Americas (SSILA) annual meeting, 2015.

Anderson, Carolyn Jane and Brook Danielle Lillehaugen, La morfosintaxis de la negation en el zapoteco del Valle colonial. Presented at Coloquio sobre Lenguas Otomangués y Vecinas (COLOV) IV: Mario Molina Cruz, 2014.

Carolyn J. Anderson, Nate Foster, Arjun Guha, Jean-Baptiste Jeannin, Dexter Kozen, Cole Schlesinger, and David Walker, NetKAT: Semantic Foundations for Networks ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL), 2014.

Anderson, Carolyn Jane, Language Ideology and Human Rights Doctrine in Morocco. Presented at New Ways of Analyzing Variation (NWAV) 42, 2013.

Anderson, Carolyn Jane, I Talk it and I Feel it: Language Attitudes of Moroccan University Students. Undergraduate thesis, Swarthmore College, 2013.

TECHNICAL SKILLS

Microsoft Office, L^AT_EX, Racket, Haskell, Coq, Python, C++, XML, CSS, HTML, Javascript

LANGUAGES

Modern Standard Arabic (intermediate), French (advanced), German (intermediate)