

Elias Stengel-Eskin

Computer Science

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Skills

Programming	Expert:	Python (experience with numpy, NLTK, Dynet, Keras, and PyQt)
	Proficient:	Java, R, \LaTeX
	Experience in:	Bash, JavaScript, C, Lisp, Neo4j (Cypher)
Languages	Native:	English, German
	Fluent:	French, Latin

Achievements

Research

- Presented poster at Montreal AI Symposium
- Presented poster at Arts Undergraduate Research Internship Research Event (2017)
- Led two workshops on variational Bayesian inference

Academic

- 3.85 CGPA
- Honours thesis, “Variational Bayesian Inference for Unsupervised Lexicon Discovery” (grade: A) supervised by Timothy O’Donnell
- Arts Undergraduate Research Internship Award recipient —\$4000 (Summer 2016)
- Dean’s Honor List, 2014-2015, 2016-2017 (top 10% of faculty)

Publications

Peer-reviewed

McAuliffe, M., Stengel-Eskin, E., Socolof, M., Sonderegger, M., Polyglot and Speech Corpus Tools: a system for representing, integrating, and querying speech corpora., *Proceedings of Interspeech 2017*

Other

Stengel-Eskin, E., Variational Bayesian Inference for Unsupervised Lexicon Discovery, *Honours Thesis*

Research Experience

Montreal Language Modeling Lab

Montreal, Canada

RESEARCH ASSISTANT

May 2016 - Present

- Developed features for 3 pieces of software for linguistic research (PolyglotDB, the Montreal Forced Aligner, and SpeechCorpusTools)
- Implemented unsupervised learning algorithm for word syllabification
- Optimized front-end GUI experience and back-end query software
- Wrote documentation for continuous integration
- Created manual and unit testing suites
- Interfaced with international teams of researchers

Education

McGill University

845 Rue Sherbrooke Ouest,
Montreal, QC H3A 0G4, Canada

BACHELOR OF ARTS AND SCIENCES

Sept. 2014 - May 2018

- Honours Cognitive Science Major
- Linguistics Minor
- Foci in Computer Science and Linguistics

Work Experience

Van Cortlandt Park Conservancy

New York City

CREW LEADER

June 2015-August 2015

- Supervised and organized activities for 28 high school students
- Taught interns horticultural skills, such as maintaining trails, proper tool use, and plant identification
- Assisted interns taking a university-level course; this included formulating study guides, assisting with class projects, and answering questions on class material
- Coordinated with different New York City organizations, specifically the Parks Department and Natural Resources Group, to organize work sites for the interns

Central Park Conservancy

New York City

HORTICULTURE INTERN

June 2013-August 2013 and June

2014-August 2014

- Worked with full-time gardener and alone to maintain and improve one of the most popular sections of Central Park
- Set up sprinklers, mowed and trimmed various green spaces, fixed equipment
- Interacted with public; answered questions about the park, gave directions, and reminded park patrons of the rules

BWS Germanlingua

Munich, Germany

OFFICE INTERN

June 2011-July 2011

- Communicated with clients in both English and German
- Prepared welcome packages for students
- Helped to organize deals with local hotels for foreign students