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Brian Moran

EDUCATION

UNIVERSITY OF WASHINGTON. M.S. in Computational Linguistics.   Seattle, WA
College of Arts & Sciences. Mar 2017 – Sept 2018 (expected).
Selected coursework: *Shallow Processing Techniques for NLP, Introduction to
Artificial Intelligence, Deep Processing Techniques for NLP,
Advanced Statistical Methods for NLP.*

CALIFORNIA STATE UNIVERSITY, FRESNO. B.A. in Computational Linguistics.   Fresno, CA
College of Arts & Humanities. Jan. 2015 – Dec 2016. Dean's List.

EXPERIENCE

Amazon.com. Boston, MA | www.amazon.com
  Language Engineer Intern. *June 2018 – Present.* | Comparative analysis of machine
  learning classification systems, generation of corpora, writing of production code.

University of Washington. Seattle, WA | www.uw.edu
  Research Assistant. *Jan 2017 – Present.* | Experimentation with and utilization of various
  machine learning for noise reduction in Language Models generated by means of
  mismatched crowd-sourcing as a part of the "Low Resource Languages for Emergent
  Incidents" (LORELEI) DARPA funded project.

The Language Conservancy. Bloomington, IN | www.languageconservancy.org
  Documentation Associate. *May 2016 – July 2016.* Linguistic fieldwork for language
  documentation and restoration.

California State University, Fresno. Fresno, CA | www.fresnostate.edu
  ❖ ***Student Assistant****. Jun 2015 – Aug 2015.* Webonary maintenance.
  ❖ ***Instructional Student Assistant****. Aug 2015 - Dec 2016* | Teaching Assistant.
  ❖ ***Research Assistant.*** *May 2015 – Aug 2015* | Development of text processing tools.

United States Navy. Atsugi, Japan & Lemoore, CA. | www.navy.mil
  Aviation Electrician's Mate Second Class. *Aug 2008 – May 2013*

SKILLS

  ❖ **Programming Languages:** *(Advanced)* Python 3; *(Familiar)* C++, Java, Haskell, Perl.
  ❖ **Tools:** Carmel (Finite State Machine tool), Mallet (word classification tool), Genism,
  Word2Vec, Numpy, pytorch, Natural Language Tool Kit, SKlearn, Git, Github.

PROJECTS & ACITIVITIES

  ❖ **English Word Analogizer.** Implementation of neural net word analogy system that finds
  the appropriate word "Moscow" given the query: "Germany is to Berlin as Russia is to
  ____" using Word2Vec and basic Cosine Similarity.
  ❖ **Movie Script Genre Classifier.** Mining, processing, and interpretation of unstructured
  data and implementation of a text classification system using SRILM toolkit.
  ❖ **Knowledge-graph QA System.** Construction of a small ontology for use in a movie
  question answering system.
  ❖ **Workshop for American Indigenous Languages.** Presenter | May, 2017. Presentation:
  *Hidatsa and Sonority: The Gradient Lexical Effect of the Syllable Contact Law and
  Emergent Categoricity.*