Elliot P. Schumacher

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EDUCATION

Carnegie Mellon University   *August 2015-August 2017*

M.S. in Language Technologies

Overall GPA: 3.58/4.00

Selected Courses: Machine Learning, Algorithms for NLP, Machine Translation (all PhD. level courses)

Ohio State University   *May 2014*

B.S. in Computer & Information Science, and Linguistics

with Honors, Cum Laude

Overall GPA: 3.64/4.00

PUBLICATIONS

EMNLP 2016   November 2016

· E. Schumacher, M. Eskenazi, G. Frishkoff, K. Collins-Thompson. (To appear.) Predicting the Relative Difficulty of Single Sentences With and Without Surrounding Context. Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP 2016).

EXPERIENCE

Carnegie Mellon University   September 2015 - Present

Research Assistant   *Pittsburgh, PA*

· Worked on the DSCoVAR project, a Department of Education Grant to build a Vocabulary Tutoring System.

· Developed a method of ranking the reading difficulty of a sentence for first language learners, by running a crowdsourcing task and modeling the data to find important features (see EMNLP 2016 paper).

· Built a pipeline that finds sentences with selected vocabulary words, and annotates them for difficulty and other factors.

State Teachers Retirement System of Ohio   January 2013 - August 2015

Student Developer, promoted to Developer   *Columbus, Ohio*

· Developed internal applications in Java and C#.

· Designed and implemented a web application for internal forms.

TECHNICAL STRENGTHS

Computer Languages	Python, Java, C#. Some experience in C, MATLAB
Toolkits	sklearn, nltk
Databases	MySQL, Oracle, Microsoft SQL