

Elizabeth E. Salesky

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EDUCATION	Johns Hopkins University	Baltimore, MD
	<i>Ph.D. in Computer Science</i>	Aug 2019 – Present
	Advisor: Matt Post	
	Carnegie Mellon University	Pittsburgh, PA
	<i>M.S. in Language Technologies</i>	May 2019
	Advisor: Alex Waibel	
	Dartmouth College	Hanover, NH
	<i>B.A. in Mathematics and Linguistics</i>	June 2012
	Honors Thesis: "A Current Analysis of Unsupervised Morphological Induction Models"	
	Awards	
Women in Defense HORIZONS Scholarship	2018-2019	
IEEE SPS Travel Grant	2018	
Honors in Linguistics	2012	
Citation in Intro to Computational Linguistics	2011	
Additional Education		
Massachusetts Institute of Technology, <i>Speech Recognition</i>	Spring 2017	
Harvard Extension School, <i>Chinese I</i>	Fall 2015	
Linguistic Society of America, <i>Summer School</i>	July 2015	
Massachusetts Institute of Technology, <i>Cognitive Science</i>	Spring 2014	

EXPERIENCE	Karlsruhe Institute of Technology	May–Aug. 2018
	<i>Mitarbeiter (Research Staff)</i>	<i>Karlsruhe, Germany</i>
	<ul style="list-style-type: none">• Researched implicit removal of disfluencies in end-to-end speech translation• Created new dataset to facilitate research and evaluation of this task	
	Karlsruhe Institute of Technology	Jun.–Aug. 2017
	<i>Mitarbeiter (Research Staff)</i>	<i>Karlsruhe, Germany</i>
	<ul style="list-style-type: none">• Researched end-to-end models for speech-to-text translation• Researched neural models for re-punctuation and casing between ASR and MT steps in SLT	
	MIT Lincoln Laboratory	Nov. 2012 - Jun. 2017
	<i>Associate Staff</i>	<i>Lexington, MA</i>
	<ul style="list-style-type: none">• Researched novel alignment and inflection generation techniques for machine translation, trained competitive speech and text translation systems for international evaluation campaigns• Researched adaptation techniques for translation with limited parallel data• Wrote webservice for online text difficulty assessment application• Supervised summer intern on topic classification project	
	<i>Assistant Staff</i>	
<ul style="list-style-type: none">• Incorporated linguistic features into machine translation models• Defined features for a language-independent text readability assessment system• Created an interface for an audio keyword searching system; ran Mechanical Turk experiments to determine user efficacy with different amounts of training data		
RosettaProject	Jun.–Aug. 2012	
<i>Summer Intern</i>	<i>San Francisco, CA</i>	
<ul style="list-style-type: none">• Created an application to upload files from Record-a-thons to RosettaProject's Internet Archive collection, using the Internet Archive API		
Logic and Language Course	Winter 2012, Spring 2012	

- Tutored undergrads in first-order logic, held tutorials 3 times weekly, and graded student work

SKILLS	<p>Programming Languages: Python, Scala, Julia, Matlab, HTML/CSS, Javascript</p> <p>Natural Languages: English (native), Spanish (proficient), German (limited)</p> <p>Software: L^AT_EX, Moses, Praat</p>
SERVICE	<p>Reviewer: ACL (2020*, 2018), EMNLP (2019, 2018), WMT (2019, 2018), IWSLT (2019, 2018), NLPTEA (2018, 2017), BEA (2017, 2015)</p> <p>* <i>Outstanding Reviewer</i></p> <p>Evaluation Committee: IWSLT (2020, 2019), SIGMORPHON (2020), SIGTYP (2020)</p> <p>Volunteer: TechNights, Cambridge Literacy Project, Girls Who Code, Girls Who Build, Food For Free</p>

- PUBLICATIONS** E. Salesky, A.W. Black. "Phoneme Features Improve Speech Translation." *ACL*. 2020.
- E. Salesky, E. Chodroff, T. Pimentel, M. Wiesner, R. Cotterell, A.W. Black, J. Eisner. "A Corpus for Phonetic Typology." *ACL*. 2020.
- Clara Meister, E. Salesky, Ryan Cotterell. "Generalized Entropy Regularization or: There's Nothing Special about Label Smoothing." *ACL*. 2020.
- E. Salesky, M. Sperber, A.W. Black. "Exploring Phoneme-Level Speech Representations for End-to-End Speech Translation." *ACL*. 2019.
- E. Salesky, M. Sperber, A. Waibel. "Fluent Translations from Disfluent Speech in End-to-End Speech Translation." *NAACL*. 2019.
- E. Salesky, A. Runge, A. Coda, J. Niehues, G. Neubig. "Optimizing Segmentation Granularity for Neural Machine Translation." *Machine Translation*. 2020. arXiv:1810.08641 Oct. 2018.
- E. Salesky, S. Burger, J. Niehues, A. Waibel. "Towards Fluent Translations from Disfluent Speech." *SLT*. 2018.
- F. Dessloch, T.L. Ha, M. Müller, J. Niehues, T.S. Nguyen, N.Q. Pham, E. Salesky, M. Sperber, S. Stüker, T. Zenkel, A. Waibel. "KIT Lecture Translator: Multilingual Speech Translation with One-Shot Learning." *COLING*. 2018.
- E. Salesky, J. Ray, W. Shen. "Operational Assessment of Keyword Search on Oral History." *LREC*. 2016.
- E. Salesky, W. Shen, "Exploiting Morphological, Grammatical, and Semantic Correlates for Improved Text Difficulty Assessment." *BEA Workshop at ACL*. 2014.
- W. Shen, J. Williams, T. Marius, E. Salesky, "A Language-Independent Approach to Automatic Text Difficulty Assessment for Second-Language Learners." *PITR Workshop at ACL*. 2013.
- SHARED TASKS** E. Ansari, N. Bach, O. Bojar, R. Cattoni, F. Dalvi, N. Durrani, M. Federico, C. Federmann, J. Gu, F. Huang, K. Knight, X. Ma, A. Nagesh, M. Negri, J. Niehues, J. Pino, E. Salesky, S. Shi, S. Stüker, M. Turchi, A. Waibel, C. Wang. "Findings of the IWSLT 2020 Evaluation Campaign." *IWSLT*. 2020.
- E. Vylomova, J. White, E. Salesky, S. J. Mielke, S. Wu, E. Ponti, R. Hall Maudslay, R. Zmigrod, J. Valvoda, S. Toldova, F. Tyers, E. Klyachko, I. Yegorov, N. Krizhanovsky, P. Czarnowska, I. Nikkarinen, A. Krizhanovsky, T. Pimentel, L. Torroba Hennigen, C. Kirov, G. Nicolai, A. Williams, A. Anastasopoulos, H. Cruz, E. Chodroff, R. Cotterell, M. Silfverberg, M. Hulden. "SIGMORPHON 2020 Shared Task 0: Typologically Diverse Morphological Inflection." *SIGMORPHON*. 2020.

- J. Niehues, R. Cattoni, S. Stüker, M. Negri, M. Turchi, Thanh-Le Ha, **E. Salesky**, R. Sanabria, L. Bar-rault, L. Specia, M. Federico. "The IWSLT 2019 Evaluation Campaign." *IWSLT*. 2019.
- A. Chaudhary, **E. Salesky**, G. Bhat, D. Mortenson, J. Carbonell, Y. Tsvetkov. "CMU-01 at the SIGMOR-PHON 2019 Shared Task on Crosslinguality and Context in Morphology." *SIGMORPHON*. 2019.
- NQ. Pham, M. Sperber, **E. Salesky**, TL. Ha, J. Niehues, A. Waibel. "KIT's Multilingual Neural Ma-chine Translation systems for IWSLT 2017." *IWSLT*. 2017.
- J. Gwinnup, T. Anderson, G. Erdmann, K. Young, M. Kazi, **E. Salesky** B. Thompson, J. Taylor. "The AFRL-MITLL WMT17 Systems: Old, New, Borrowed, BLEU." *WMT*. 2017.
- M. Kazi, **E. Salesky**, B. Thompson, J. Taylor, J. Gwinnup, T. Anderson, G. Erdmann, E. Hansen, B. Ore, K. Young, M. Hutt. "The MITLL-AFRL IWSLT 2016 Systems." *IWSLT*. 2016.
- J. Gwinnup, T. Anderson, G. Erdmann, K. Young, M. Kazi, **E. Salesky**, B. Thompson. The AFRL-MITLL WMT16 News-Translation Task Systems. *WMT*. 2016.
- M. Kazi, B. Thompson, **E. Salesky**, T. Anderson, G. Erdmann, E. Hansen, B. Ore, J. Gwinnup, K. Young, M. Hutt, C. May. "The MITLL-AFRL IWSLT 2015 Systems." *IWSLT*. 2015.
- J. Gwinnup, T. Anderson, M. Kazi, **E. Salesky**, G. Erdmann, K. Young, B. Thompson, C. May. "The AFRL-MITLL WMT15 System." *WMT*. 2015.
- M. Kazi, **E. Salesky**, B. Thompson, J. Ray, M. Coury, W. Shen, T. Anderson, G. Erdmann, J. Gwinnup, K. Young, B. Ore, M. Hutt. "The MIT-LL/AFRL IWSLT-2014 MT system." *IWSLT*. 2014.
- M. Kazi, M. Coury, **E. Salesky**, J. Ray, W. Shen, T. Gleason, T. Anderson, G. Erdmann, L. Schwartz, B. Ore, R. Slyh, J. Gwinnup, K. Young, M. Hutt. "The MIT-LL/AFRL IWSLT-2013 MT system." *IWSLT*. 2013.