

Jared Fernandez

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EDUCATION

Carnegie Mellon University: Language Technologies Institute Ph.D. in Language & Information Technologies <i>Advisors:</i> Yonatan Bisk & Emma Strubell	2020 – Present
Northwestern University, <i>Magna cum Laude</i> B.S. in Computer Science with Honors & B.S. in Electrical Engineering <i>Advisors:</i> Doug Downey & Thrastos Pappas	2015 – 2019

RESEARCH EXPERIENCE

Graduate Student Researcher <i>Carnegie Mellon University, Language Technologies Institute</i>	2020 – Present <i>Pittsburgh, PA</i>
Undergraduate Researcher <i>Northwestern University, Pappas Group</i>	2018 – 2019 <i>Evanston, IL</i>
Undergraduate Researcher <i>Northwestern University, WebSAIL Group</i>	2017 – 2019 <i>Evanston, IL</i>
Summer Research Intern <i>Stanford Earth, Cosmogenic Radiation Laboratory</i>	Summer 2013, 2014 <i>Stanford, CA</i>

INDUSTRY EXPERIENCE

Software Engineer <i>Google, Search Notifications</i>	2019 – 2020 <i>Mountain View, CA</i>
Software Engineering Intern <i>Google, Dialogflow NLU</i>	Summer 2019 <i>Mountain View, CA</i>
Software Engineering Intern <i>Google, Assistant on Android Auto</i>	Summer 2018 <i>Mountain View, CA</i>
Research Support Intern <i>SLAC National Accelerator Laboratory</i>	Summer 2015 <i>Menlo Park, CA</i>

FELLOWSHIPS & AWARDS

NSF Graduate Research Fellowship	2021 – 2024
Departmental Honors, Northwestern University	2019
Tau Beta Pi, Northwestern University	2018
Eta Kappa Nu, Northwestern University	2018
Undergraduate Research Grant, Northwestern University	2017

PUBLICATIONS

- 1. Generative Data Augmentation for Commonsense Reasoning.**
Yiben Yang, Chaitanya Malaviya, **Jared Fernandez**, Swabha Swayamdipta, Ronan Le Bras, Ji-Ping Wang, Chandra Bhagavatula, Yejin Choi and Doug Downey
Findings of the ACL: EMNLP (EMNLP Findings), 2020.
- 2. CODAH: An Adversarially Authored Question-Answer Dataset for Common Sense.**
Michael Chen, Mike D'Arcy, Alisa Liu, **Jared Fernandez**, and Doug Downey
Workshop on Evaluating Vector Space Representations for NLP (RepEval), 2019.
- 3. Sampling Informative Training Data for RNN Language Models.**
Jared Fernandez and Doug Downey.
Association of Computational Linguistics: Student Research Workshop (ACL-SRW), 2018.
- 4. VecShare: A Framework for Sharing Word Representation Vectors.**
Jared Fernandez, Zhaocheng Yu, and Doug Downey
Empirical Methods in Natural Language Processing (EMNLP), 2017.

TALKS & PRESENTATIONS

- 1. Sampling Informative Training Data for RNN Language Models.**
Jared Fernandez and Doug Downey.
Midwest Speech and Language Days (MSLD), 2018.

TEACHING ASSISTANTSHIPS

EECS 349: Machine Learning with Prof. Doug Downey	Spring 2018
EECS 212: Discrete Math with Prof. Aravindan Vijayaraghavan	Fall 2017
EECS 348: Artificial Intelligence with Prof. Michael Rubenstein	Spring 2017

DEPARTMENTAL SERVICE

Graduate Application Support Program Mentor , Carnegie Mellon University	2020 – Present
Undergraduate Mentor , Carnegie Mellon University	2020 – Present
Undergraduate Mentor , Northwestern Eta Kappa Nu	2019
External Vice President , Northwestern IEEE Student Chapter	2018
Technical Program Director , Northwestern IEEE Student Chapter	2017

PROFESSIONAL SERVICE

Program Committee Member: ACL-SRW 2020, NAACL-SRW 2021

TECHNICAL SKILLS

Languages: Python, C/C++, Java, Shell Scripting, SQL, MatLab, HTML/CSS

Tools & Frameworks: Git, Docker, PyTorch, TensorFlow, Keras, NumPy, OpenCV, Android, L^AT_EX