Jared Fernandez

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EDUCATION

Carnegie Mellon University: Language Technologies Institute 2020 – Present
Ph.D. in Language & Information Technologies
Advisors: Yonatan Bisk & Emma Strubell

Northwestern University, *Magna cum Laude* 2015 –2019
B.S. in Computer Science with Honors & B.S. in Electrical Engineering
Advisors: Doug Downey & Thrasos Pappas

RESEARCH EXPERIENCE

Graduate Student Researcher 2020 – Present
Carnegie Mellon University, Language Technologies Institute *Pittsburgh, PA*

Undergraduate Researcher 2018 – 2019
Northwestern University, Pappas Group *Evanston, IL*

Undergraduate Researcher 2017 – 2019
Northwestern University, WebSAIL Group *Evanston, IL*

Summer Research Intern Summer 2013, 2014
Stanford Earth, Cosmogenic Radiation Laboratory *Stanford, CA*

INDUSTRY EXPERIENCE

Software Engineer 2019 – 2020
Google, Search Notifications *Mountain View, CA*

Software Engineering Intern Summer 2019
Google, Dialogflow NLU *Mountain View, CA*

Software Engineering Intern Summer 2018
Google, Assistant on Android Auto *Mountain View, CA*

Research Support Intern Summer 2015
SLAC National Accelerator Laboratory *Menlo Park, CA*

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, Vim, PyTorch, TensorFlow, Keras, NumPy, OpenCV, Android, LaTeX