

# Jared Fernandez

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## EDUCATION

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

## RESEARCH EXPERIENCE

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

## INDUSTRY EXPERIENCE

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

## FELLOWSHIPS & AWARDS

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<b>NSF Graduate Research Fellowship</b>	2021 – 2024
<b>Carnegie Mellon University Research Fellowship</b>	2020 – 2021
<b>Departmental Honors, Northwestern University</b>	2019
<b>Tau Beta Pi, Northwestern University</b>	2018
<b>Eta Kappa Nu, Northwestern University</b>	2018
<b>Undergraduate Research Grant, Northwestern University</b>	2017

## PUBLICATIONS

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1. **CIGLI: Conditional Image Generation from Language & Image.**  
Xiaopeng Lu, Lynette Ng, **Jared Fernandez**, Hao Zhu  
*Workshop on Closing the Loop Between Vision and Language (CLVL), 2021.*
2. **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.*
3. **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.*
4. **Sampling Informative Training Data for RNN Language Models.**  
**Jared Fernandez** and Doug Downey.  
*Association of Computational Linguistics: Student Research Workshop (ACL-SRW), 2018.*
5. **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

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

## TEACHING ASSISTANTSHIPS

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

## DEPARTMENTAL SERVICE

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

## PROFESSIONAL SERVICE

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**Program Committee Member:** ACL-SRW 2020, 2021; NAACL-SRW 2021; ICLR 2021  
**Student Volunteer:** EMNLP 2017, ACL 2018

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, Java, Shell Scripting, SQL, MatLab, HTML/CSS  
**Tools & Frameworks:** Git, Docker, PyTorch, TensorFlow, NumPy, OpenCV, Android, Vim, L<sup>A</sup>T<sub>E</sub>X