Employment Experience	
Carnegie Mellon University, Language Technologies Institute Assistant Professor	08/2022 – present
Allen Institute for Al Visiting Researcher Postdoc / Young Investigator, MOSAIC	09/2022 – present 07/2021 – 08/2022
University of Washington, Computer Science and Engineering Research and Teaching Assistant with Noah Smith and Yejin Choi	03/2016 - 07/2021
Microsoft Research AI (MSR AI) Research Intern with Eric Horvitz	06/2019 – 09/2019
Allen Institute for Al Research Intern, MOSAIC	06/2018 – 06/2019
University of Pennsylvania, Positive Psychology Center/Penn Medicine Research Programmer at the World Well Being Project and Social Media and Health Innovation	06/2013 – 08/2015 on Lab
Education	
University of Washington, Seattle, WA, USA PhD in Computer Science & Engineering, research focus on Natural Language Processing MS of Computer Science & Engineering Advised by Yejin Choi and Noah A. Smith	09/2015 – 07/2021 03/2018
Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland BS in Communications and Information Systems	06/2014
Funding, Awards, and Nominations	
Meta Al RFP PI: "ContExTox: Context-Aware and Explainable Toxicity Detection" – \$50K	09/2022 – 09/2023
William Chan Memorial Dissertation Award "Positive AI with Social Commonsense Models" Sap et al. (2021)	11/2021
WeCNLP Best paper "Social Bias Frames: Reasoning about Social and Power Implications of Language" Sap et al. (2	10/2020
ACL Best short paper nomination (top 5%) "The Risk of Racial Bias in Hate Speech Detection" Sap et al. (2019)	07/2019
Amazon Alexa Prize	11/2017

Talks	
Annotators with Attitude: How Annotator Beliefs And Identities Bias Toxic Language Detection NAACL main conference	07/2022
Text As Data (TADA) conference Detecting and Rewriting Social Biases in Language UIUC Responsible Data Science Seminar Series	10/2021

First place in the inaugural social chatbot development competition

Maarten Sap

http://maartensap.com

Teaching

Tutorials

EMNLP 2021 11/2021

"Crowdsourcing Beyond Annotation" Tutorial – *co-presenter*

Al2 academy 08/2020

Tutorial on Commonsense Reasoning in Natural Language Processing – *co-presenter*

ACL 2020 07/2020

Tutorial on Commonsense Reasoning in Natural Language Processing – *co-presenter*

Courses

University of Washington

CSE 473 Artificial Intelligence – Guest Lecture on Natural Language Processing	Spring 2019
CSE 481 Natural Language Processing Capstone – Teaching Assistant	Spring 2017
CSE 490U Natural Language Processing – Teaching Assistant	Spring 2016

Guest lectures

University of British Columbia

Positive AI with Social Commonsense Models – Commonsense Reasoning Course 02/2022

Stanford University

Detecting and Rewriting Social Biases in Language – NLP with Deep Learning Course 02/2022

Carnegie Mellon University

Detecting and Rewriting Social Biases in Language – Computational Ethics Course 02/2022

Students & Mentoring

1.	Ji Min Mun (she/her) – CMU LTI PhD student	09/2022 – present
2.	Akhila Yerukola (she/her) – CMU LTI PhD student	09/2022 – present
3.	Xuhui Zhou (he/him) – CMU LTI PhD student	09/2022 – present
4.	Sravani Nanduri (she/her) – UW CSE BS Student	09/2021 – present
5.	Skyler Hallinan (he/him) – UW CSE BS Student	01/2021 - 08/2022
6.	Zhilin Wang (he/him) – UW CLMS Student	01/2021 - 09/2021
7.	Michelle Ma (she/her) – UW CSE BS Student	09/2019 - 12/2020
8.	Sam Gehman (he/him) – UW CSE MS student	09/2019 – 07/2020
9.	Aishwarya Nirmal (she/her) – UW CSE MS student	01/2018 - 06/2019
10.	Kenta Takatsu (he/him) – Cornell BS Student	07/2018 - 03/2019
11.	Zachary Horvitz (he/him) – AI2 intern	07/2018 - 03/2019
12.	Sarah Yu (she/her) – UW CSE BS Student	03/2018 - 06/2018
13.	Lanhao Wu (he/him) – UW CSE BS Student	03/2018 - 06/2018
14.	Boyan Li (he/him) – UW CSE BS Student	01/2018 - 06/2018
15.	Amy Shah (she/her) – UW CSE BS Student	09/2017 - 06/2018
16.	Emily Allaway (she/her) – UW CSE BS Student	07/2017 – 06/2018
17.	Marcela Cindy Prasetio (she/her) – UW CSE BS Student	01/2016 - 06/2017

Service

Community Service

CMU LTI

Diversity Committee 09/2022 – present

Maarten Sap GHC 6713, 5000 Forbes Ave Pittsburgh, PA	http://maartensap.com (+1) 443 248-6215 maartensap@cmu.edu
University of Washington, Seattle, WA Diversity Committee Graduate student advisory council (G5PAC) Social Chair	09/2016 - 12/2020 01/2018 - 12/2020 09/2016 - 06/2017
ACL 2020 Socio-cultural diversity and inclusion committee	07/2020
Queer in Al ACL social event organizer	07/2020
iPraxis Philadelphia Scienteer – volunteer tutor for middle school science projects	11/2013 - 03/2014
Johns Hopkins University Secretary of Diverse Sexuality and Gender Alliance (DSAGA)	01/2013 – 06/2013
Program Committee & Reviewing	
 Senior program committee ACL rolling review – action editor AAAI – meta reviewer 	2021, 2022 2021
Conferences • EMNLP • ACL • AAAI • NAACL • ICWSM	2018 - 2022 2019 - 2022 2020 2019 2021
 Transactions of ACL Dementia and Geriatric Cognitive Disorders Computational Linguistics Humanities and Social Sciences Communications Journal of Artificial Intelligence Research IEEE Transactions on Cognitive and Developmental Systems Social Psychological and Personality Science 	2020 2020 2019 – 2020 2019 2019 2019 2018
Workshops	
 ACL Workshop on NLP for Positive Impact ACL workshop on causal inference NAACL Student Research Workshop CLPsych workshop at ACL and NAACL Stylistic Variation workshop at NAACL 	2022 2021 2019 2016 – 2018 2018

Publications

Peer-reviewed conference articles

Zhijing Jin, Sydney Levine, Fernando Gonzalez Adauto, Ojasv Kamal, **Maarten Sap**, Mrinmaya Sachan, Rada Mihalcea, Joshua B. Tenenbaum & Bernhard Schölkopf (2022) *Rule-Based but Flexible? Evaluating and Improving Language Models as Accounts of Human Moral Judgment*. NeurIPS.

Maarten Sap, Swabha Swayamdipta, Laura Vianna, Xuhui Zhou, Yejin Choi & Noah A. Smith (2022) *Annotators with Attitudes: How Annotator Beliefs And Identities Bias Toxic Language Detection*. NAACL.

Pittsburgh, PA

Prithviraj Ammanabrolu, Liwei Jiang, **Maarten Sap**, Hanna Hajishirzi, Yejin Choi & Noah A. Smith (2022) *Aligning to Social Norms and Values in Interactive Narratives*. NAACL.

Thomas Hartvigsen, Saadia Gabriel, Hamid Palangi, **Maarten Sap**, Dipankar Ray & Ece Kamar (2022) *TOXIGEN:* Controlling Language Models to Generate Implied and Adversarial Toxicity. ACL.

Saadia Gabriel, Skyler Hallinan, **Maarten Sap**, Pemi Nguyen, Franziska Roesner, Eunsol Choi & Yejin Choi (2022) *Misinfo Reaction Frames: Reasoning about Readers' Reactions to News Headlines*. ACL.

Jesse Dodge, **Maarten Sap**, Ana Marasović, William Agnew, Gabriel Ilharco, Dirk Groeneveld, Margaret Mitchell & Matt Gardner (2021) *Documenting Large Webtext Corpora: A Case Study on the Colossal Clean Crawled Corpus*. EMNLP.

Ashutosh Baheti, **Maarten Sap**, Alan Ritter & Mark Riedl (2021) *Just Say No: Analyzing the Stance of Neural Dialogue Generation in Offensive Contexts*. EMNLP

Alisa Liu, **Maarten Sap**, Ximing Lu, Swabha Swayamdipta, Chandra Bhagavatula, Noah A. Smith & Yejin Choi (2021) *DExperts: Decoding-Time Controlled Text Generation with Experts and Anti-Experts*. ACL

Albert Xu, Eshaan Pathak, Eric Wallace, Suchin Gururangan, **Maarten Sap** & Dan Klein (2021) *Detoxifying Language Models Risks Marginalizing Minority Voices*. NAACL

Xuhui Zhou, **Maarten Sap**, Swabha Swayamdipta, Yejin Choi & Noah A. Smith (2021) *Challenges in Automated Debiasing for Toxic Language Detection*. EACL

Xinyao Ma*, **Maarten Sap***, Hannah Rashkin & Yejin Choi (2020) *PowerTransformer: Unsupervised Controllable Revision for Biased Language Correction*. EMNLP

Sam Gehman, Suchin Gururangan, **Maarten Sap**, Yejin Choi & Noah A Smith (2020) *RealToxicityPrompts: Evaluating Neural Toxic Degeneration in Language Models*. Findings of EMNLP

Maxwell Forbes, Jena D Hwang, Vered Shwartz, **Maarten Sap** & Yejin Choi (2020) *Social Chemistry 101: Learning to Reason about Social and Moral Norms*. EMNLP

Maarten Sap, Eric Horvitz, Yejin Choi, Noah A Smith & James W Pennebaker (2020) *Recollection versus Imagination:* Exploring Human Memory and Cognition via Neural Language Models. ACL

Maarten Sap, Saadia Gabriel, Lianhui Qin, Dan Jurafsky, Noah A Smith & Yejin Choi (2020) *Social Bias Frames: Reasoning about Social and Power Implications of Language*. ACL

Maarten Sap*, Hannah Rashkin*, Derek Chen, Ronan LeBras & Yejin Choi (2019) *Social IQa: Commonsense Reasoning about Social Interactions*. EMNLP

Maarten Sap, Dallas Card, Saadia Gabriel, Yejin Choi & Noah A Smith (2019) *The Risk of Racial Bias in Hate Speech Detection*. ACL

Antoine Bosselut, Hannah Rashkin, **Maarten Sap**, Chaitanya Malaviya, Asli Celikyilmaz & Yejin Choi (2019) *COMET:* Commonsense Transformers for Automatic Knowledge Graph Construction. ACL

Maarten Sap, Ronan LeBras, Emily Allaway, Chandra Bhagavatula, Nicholas Lourie, Hannah Rashkin, Brendan Roof, Noah A Smith & Yejin Choi (2019) *ATOMIC: An Atlas of Machine Commonsense for If-Then Reasoning*. AAAI

Hannah Rashkin, Antoine Bosselut, **Maarten Sap**, Kevin Knight & Yejin Choi (2018) *Modeling Naive Psychology of Characters in Simple Commonsense Stories*. ACL

Hannah Rashkin*, **Maarten Sap***, Emily Allaway, Noah A. Smith & Yejin Choi (2018) *Event2Mind: Commonsense Inference on Events, Intents, and Reactions*. ACL

Maarten Sap, Marcella Cindy Prasetio, Ari Holtzman, Hannah Rashkin & Yejin Choi (2017) *Connotation Frames of Power and Agency in Modern Films*. EMNLP

Pittsburgh, PA

Roy Schwartz, **Maarten Sap**, Ioannis Konstas, Li Zilles, Yejin Choi & Noah A Smith (2017) *The Effect of Different Writing Tasks on Linguistic Style: A Case Study of the ROC Story Cloze Task*. CoNLL

H. Andrew Schwartz, Gregory Park, **Maarten Sap**, Evan Weingarten, Johannes Eichstaedt, Margaret Kern, David Stillwell, Michal Kosinski, Jonah Berger, Martin Seligman & Lyle Ungar (2015) *Extracting Human Temporal Orientation from Facebook Language*. NAACL

Maarten Sap, Gregory Park, Johannes C. Eichstaedt, Margaret L. Kern, David J. Stillwell, Michal Kosinski, Lyle H. Ungar & Hansen Andrew Schwartz (2014) *Developing Age and Gender Predictive Lexica over Social Media*. EMNLP

Peer-reviewed journal articles

Maarten Sap, Anna Jafarpour, Yejin Choi, Noah A. Smith, James W. Pennebaker & Eric Horvitz (2022) *Imagined versus Remembered Stories: Quantifying Differences in Narrative Flow.* PNAS (forthcoming).

Gregory Park, H Andrew Schwartz, **Maarten Sap**, Margaret L Kern, Evan Weingarten, Johannes C Eichstaedt, Jonah Berger, David J Stillwell, Michal Kosinski, Lyle H Ungar & Martin E P Seligman (2017) *Living in the Past, Present, and Future: Measuring Temporal Orientation with Language*. Journal of Personality

Margaret L Kern, Gregory Park, Johannes C Eichstaedt, H Andrew Schwartz, **Maarten Sap**, Laura K Smith & Lyle H Ungar (2016) *Gaining Insights From Social Media Language: Methodologies and Challenges*. Psychological Methods

Johannes C Eichstaedt, H Andrew Schwartz, Margaret L Kern, Gregory Park, Darwin R Labarthe, Raina M Merchant, Sneha Jha, Megha Agrawal, Lukasz A Dziurzynski, **Maarten Sap**, Christopher Weeg, Emily Larson, Lyle H Ungar & Martin E P Seligman (2015) *Psychological Language on Twitter Predicts County-level Heart Disease Mortality*. Psychological Science

Charlene A Wong, **Maarten Sap**, Hansen Andrew Schwartz, Robert Town, Tom Baker, Lyle Ungar & Raina M Merchant (2015) *Twitter Sentiment Predicts Affordable Care Act Marketplace Enrollment*. Journal of Medical Internet Research

Raina M. Merchant, Yoonhee P. Ha, Charlene A. Wong, H. Andrew Schwartz, **Maarten Sap**, Lyle H. Ungar & David A. Asch (2014) *The 2013 US Government Shutdown (#Shutdown) and Health: An Emerging Role for Social Media*. American Journal of Public Health

Peer-reviewed workshop articles

Tal August, Maarten Sap, Elizabeth Clark, Katharina Reinecke & Noah A. Smith (2020) Exploring the Effect of Author and Reader Identity in Online Story Writing: the StoriesInTheWild Corpus. Workshop on Narrative Understanding, Storylines, and Events (NUSE) @ ACL

Roy Schwartz, **Maarten Sap**, Ioannis Konstas, Li Zilles, Yejin Choi & Noah A Smith (2017) *Story Cloze task: UW NLP System*. EACL Workshop LSD Sem

Daniel Preotiuc-Pietro, **Maarten Sap**, H Andrew Schwartz & Lyle Ungar (2015) *Mental Illness Detection at the World Well-Being Project for the CLPsych 2015 Shared Task*. NAACL Workshop on CLPsych

Daniel Preotiuc-Pietro, Johannes Eichstaedt, Gregory Park, **Maarten Sap**, Laura Smith, Victoria Tobolsky, H Andrew Schwartz & Lyle Ungar (2015) *The Role of Personality, Age and Gender in Tweeting about Mental Illnesses*. NAACL Workshop on CLPsych

H Andrew Schwartz, Johannes Eichstaedt, Margaret L Kern, Gregory Park, **Maarten Sap**, David Stillwell, Michal Kosinski & Lyle Ungar (2014) *Towards Assessing Changes in Degree of Depression through Facebook*. ACL Workshop on CLPsych

Other peer-reviewed articles (demos, etc.)

Hao Fang, Hao Cheng, **Maarten Sap**, Elizabeth Clark, Ariel Holtzman, Yejin Choi, Noah A Smith & Mari Ostendorf (2018) *Sounding Board: A User-Centric and Content-Driven Social Chatbot*. NAACL System Demonstrations

H Andrew Schwartz, Salvatore Giorgi, **Maarten Sap**, Patrick Crutchley, Lyle Ungar & Johannes Eichstaedt (2017) *DLATK: Differential Language Analysis ToolKit*. EMNLP System Demonstrations

Hao Fang, Hao Cheng, Elizabeth Clark, Ariel Holtzman, **Maarten Sap**, Mari Ostendorf, Yejin Choi & Noah A Smith (2017) *Sounding Board - University of Washington's Alexa Prize Submission*. Alexa Prize Proceedings

H Andrew Schwartz, **Maarten Sap**, Margaret L Kern, Johannes C Eichstaedt, Adam Kapelner, Megha Agrawal, Eduardo Blanco, Lukasz Dziurzynski, Gregory Park, David Stillwell, Michal Kosinski, Martin E P Seligman & Lyle H Ungar (2016) *Predicting individual well-being through the language of social media*. Biocomputing 2016: Proceedings of the Pacific Symposium

Thesis

Maarten Sap (2021) Positive AI with Social Commonsense Models.

Preprints (non-peer reviewed)

Hyunwoo Kim, Youngjae Yu, Liwei Jiang, Ximing Lu, Daniel Khashabi, Gunhee Kim, Yejin Choi & Maarten Sap (2022) *Prosocial Dialog: A Prosocial Backbone for Conversational Agents*. arXiv.

Maarten Sap, Anna Jafarpour, Yejin Choi, Noah A. Smith, James W. Pennebaker & Eric Horvitz (2022) *Computational Lens on Cognition: Study Of Autobiographical Versus Imagined Stories With Large-Scale Language Models*. arXiv.

Liwei Jiang, Jena D. Hwang, Chandra Bhagavatula, Le Bras Ronan, Maxwell Forbes, Jon Borchardt, Jenny Liang, Oren Etzioni, **Maarten Sap** & Yejin Choi (2021) *Delphi: Towards Machine Ethics and Norms*. arXiv.