

Anjalie Field

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- INTERESTS** Natural language processing, computational social science, NLP for social good, AI ethics and fairness
- EDUCATION**
- Carnegie Mellon University**, Pittsburgh, PA
Ph.D., Language Technologies Institute Sep 2017 – Present
- Adviser: Prof. Yulia Tsvetkov
 - Coursework includes: Computational Ethics for NLP (11-830), Machine Learning (10-701), Algorithms for NLP (11-711), Neural Networks for NLP (11-747), Probabilistic Graphical Models (10-708)
 - Cumulative GPA: 4.06 / 4.00
- Princeton University**, Princeton, NJ
B.A., Computer Science Sep 2011 – Jun 2015
- *Magna cum laude*
 - Certificates: Language and Culture of Ancient Rome; Language and Culture of Ancient Greece
 - Cumulative GPA: 3.69 / 4.00
- AWARDS & HONORS**
- SocInfo Best Paper Nomination 2020
Aman Tyagi*, Anjalie Field*, Priyank Lathwal, Yulia Tsvetkov, and Kathleen M. Carley. "A Computational Analysis of Polarization on Indian and Pakistani Social Media"
- Recipient of Google PhD Fellowship 2020 – Present
- Recipient of NSF Graduate Research Fellowship (GRFP) 2018 – 2020
- Sigma Xi, Associate Member 2015 – Present
- CONFERENCE & JOURNAL PUBLICATIONS**
- Anjalie Field, Su Lin Blodgett, Zeerak Waseem, and Yulia Tsvetkov. "A Survey of Race, Racism, and Anti-Racism in NLP" (2021), Annual Meeting of the Association for Computational Linguistics (ACL), <https://aclanthology.org/2021.acl-long.149.pdf>
- Chan Young Park*, Xinru Yan*, Anjalie Field*, and Yulia Tsvetkov. "Multilingual Contextual Affective Analysis of LGBT People Portrayals in Wikipedia" (2021), International AAAI Conference on Web and Social Media (ICWSM), <https://arxiv.org/abs/2010.10820>
- Anjalie Field and Yulia Tsvetkov. "Unsupervised Discovery of Implicit Gender Bias" (2020), Conference on Empirical Methods in Natural Language Processing (EMNLP), <https://aclanthology.org/2020.emnlp-main.44/>
- Aman Tyagi*, Anjalie Field*, Priyank Lathwal, Yulia Tsvetkov, and Kathleen M. Carley. "A Computational Analysis of Polarization on Indian and Pakistani Social Media" (2020), International Conference on Social Informatics (Socinfo) [nominated for Best Paper], <https://arxiv.org/abs/2005.09803>
- Anjalie Field and Yulia Tsvetkov, "Entity-Centric Contextual Affective Analysis" (2019), Annual Meeting of the Association for Computational Linguistics (ACL), <https://www.aclweb.org/anthology/P19-1243.pdf>.
- Anjalie Field, Gayatri Bhat, Yulia Tsvetkov, "Contextual Affective Analysis: A Case Study of People Portrayals in Online #MeToo Stories" (2019), International AAAI Conference on Web and Social Media (ICWSM), <https://www.aaai.org/ojs/index.php/ICWSM/article/view/3358/3226>.
- Anjalie Field, Doron Kliger, Shuly Wintner, Jennifer Pan, Dan Jurafsky, Yulia Tsvetkov, "Framing and Agenda-setting in Russian News: a Computational Analysis of Intricate Political Strategies" (2018), Conference on Empirical Methods in Natural Language Processing (EMNLP), (also presented at Ninth Annual Conference on New Directions in Analyzing Text as Data 2018), <https://www.aclweb.org/anthology/D18-1393/>.
- Anjalie Field, "An Automated Approach to Syntax-based Analysis of Classical Latin" (2016), Digital Classics Online, 2(3):57-78, <https://journals.ub.uni-heidelberg.de/index.php/dco/article/view/32315>.
- Anjalie Field, Jeffrey Field, "Melamine and cyanuric acid do not interfere with Bradford and Ninhydrin assays for protein determination" (2010), Food Chemistry, 121(3):912-917. (Also presented at American Chemical Society Meeting) <https://www.ncbi.nlm.nih.gov/pubmed/20228949>.

WORKSHOP PUBLICATIONS	<p>Nupoor Gandhi, Anjalie Field, and Yulia Tsvetkov. “Improving Span Representation for Domain-adapted Coreference Resolution” (2021), CRAC at EMNLP https://arxiv.org/pdf/2109.09811.pdf</p> <p>Mengzhou Xia, Anjalie Field, and Yulia Tsvetkov. “Demoting Racial Bias in Hate Speech Detection” (2020), SocialNLP at ACL https://aclanthology.org/2020.socialnlp-1.2/</p> <p>Anjalie Field, Sascha Rothe, Simon Baumgartner, Cong Yu, and Abe Ittycheriah. “A Generative Approach to Titling and Clustering Wikipedia Sections” (2020), WNGT at ACL https://aclanthology.org/2020.ngt-1.9/</p>
INVITED TALKS	<p>NLP Methods for Identifying Gender Bias 2021 Stanford Women in CS</p> <p>Detection of Stereotypes, Bias, and Prejudice in Text 2021 Stanford NLP Seminar</p> <p>Reducing Confounding Variables in Social Text Processing 2021 Educational Testing Service (ETS)</p> <p>Unsupervised Discovery of Implicit Gender Bias 2021 PhD Introductory Meeting at University of Washington</p>
TEACHING	<p>Guest lecture for Undergraduate Seminar in Ethics and Fairness in AI Spring 2021 <ul style="list-style-type: none"> ▪ University of Pittsburgh, “Contextual Affective Analysis” </p> <p>TA for Algorithms for NLP Fall 2019 <ul style="list-style-type: none"> ▪ Carnegie Mellon University, Facilitated homework assignments on topics like language modeling; delivered lectures and recitations </p> <p>TA for Computational Ethics for NLP (11-830) Spring 2019 <ul style="list-style-type: none"> ▪ Carnegie Mellon University, Facilitated homework assignments on topics like hate speech detection; delivered lectures on propaganda and bias; advised projects on fake news and media bias </p> <p>Guest lecture for Algorithms for NLP Fall 2018 <ul style="list-style-type: none"> ▪ Carnegie Mellon University, “Computational Social Science” </p>
MENTORSHIP	<ul style="list-style-type: none"> ▪ Sophia Ran (high school) 2021 ▪ Hannah Gao, (high school) 2021 ▪ Liah Osbourne, (high school) 2021 ▪ Komal Dhull, CMU MS 2020 ▪ Komal Dhull, CMU undergrad 2020 ▪ Mengzhou Xia, CMU MS 2019
INDUSTRY EXPERIENCE	<p>Google Research, New York, NY <i>Research Intern</i> May 2019 – Aug 2019</p> <ul style="list-style-type: none"> ▪ Primary project focused on analyzing models for text generation, specifically a BERT encoder with various decoders over a new task, generating section titles for Wikipedia articles. Team: NYSD; Primary host: Abe Ittycheriah; Additional Supervisors: Simon Baumgartner and Cong Yu. <p>Five Rings Capital, New York, NY <i>Software Developer</i> Aug 2015 – Jun 2017</p> <ul style="list-style-type: none"> ▪ Projects included implementing trading algorithms, developing tools and interfaces for profit monitoring, and automating routine tasks, primarily using C++ and Python. Responsibilities also included conducting first and second round interviews for software developer applicants and initiating company inclusivity events, such as a monthly Ladies Night. <p>Keystone Strategy, New York, NY <i>Summer Associate</i> Jun 2014 – Aug 2014</p> <ul style="list-style-type: none"> ▪ Responsibilities included conducting research, creating presentations, and managing interviews with industry experts. <p>Baker Industries, Malvern, PA <i>Intern</i> Jun 2012 – Aug 2012, Dec 2012 – Jan 2013</p> <ul style="list-style-type: none"> ▪ Daily tasks included tracking finances and working with ex-offenders, homeless, and recovering substance abusers in the work rehabilitation program. Long-term projects included writing grant requests and organizing fundraisers.
COMMUNITY AND LEADERSHIP EXPERIENCE	<p>Professional Activites</p> <ul style="list-style-type: none"> ▪ Organizer on Workshop for NLP for Positive Impact at ACL 2021

- Invited Panelist at NLP for Internet Freedom Workshop at NAACL 2021
- Organizer for CMU Graduate Application Support program 2020 – 2021

Conference/Workshop Reviewing

- EMNLP 2020 (Outstanding Reviewer Award), 2021
- NAACL 2021
- ACL 2021 (Outstanding Reviewer Award)
- TACL 2021
- Workshop NLP4IF 2019, 2020, 2021
- NeurIPS 2020
- Workshop FigLang 2020
- CoNLL 2020
- Workshop HAMLETS@NeurIPS 2020
- ACL Student Research Workshop 2020

Archery Instructor

Certified USA Level 3

- Falcon Archers, PA: Volunteer coach for adult and youth classes Nov 2017 – Present
- Gotham Archery, NY: Senior instructor for adult and youth classes, Range Safety Officer Aug 2015 – Aug 2017
- Princeton University, NJ: Founder and President of Princeton Club Archery Dec 2012 – Jun 2015
- Wa-Xo-Be Archers, NJ: Volunteer instructor for community programs Sep 2012 – Jun 2013
- Middletown Archery, PA: Assistant instructor for youth group Sep 2008 – Jun 2011

CMU Committee Memberships

- Department committee for advisor matching Aug 2020 – Aug 2021
- Dean’s advisory committee for anti-racism, Aug 2020 – Aug 2021
- Department representative to Graduate Student Assembly, member of External Affairs Committee Jan 2019 – Jan 2020

Princeton Outdoor Action

- Leader Trainer, Technical Skills Trainer Sep 2014 – Jun 2015
- Coordinator of Programming Committee Sep 2013 – Jun 2014
- Trip Leader Sep 2012 – Jun 2015

Petey Greene Program

- Volunteer Tutor – GED tutoring for inmates in NJ correctional facilities Sep 2012 – Jun 2014

SKILLS

Computer Languages: C++, C, Python, Java, SQL; experience in R, OCaml, MATLAB

Languages: proficient in Spanish, Latin, and Ancient Greek