# Swabha Swayamdipta

GABILAN ASSISTANT PROFESSOR OF COMPUTER SCIENCE, UNIVERSITY OF SOUTHERN CALIFORNIA

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## Appointments

**University of Southern California**                                    *Los Angeles, CA, USA*

GABILAN ASSISTANT PROFESSOR OF COMPUTER SCIENCE                          *Aug 2022 - PRESENT*

- Co-Associate Director of the Center for AI and Society

**Allen Institute for AI**                                              *Seattle, WA, USA*

POSTDOCTORAL INVESTIGATOR                                               *Aug 2019 - June 2022*

- **Advisor**: Yejin Choi
- **Project Team**: MOSAIC

**Oracle Server Technologies**                                          *Bangalore, India*

MEMBER TECHNICAL STAFF                                                  *2010 - 2011*

- **Project:** Unified messaging for Fusion Middleware

## Education

**Carnegie Mellon University**                                          *Pittsburgh, PA, USA*

PHD IN LANGUAGE AND INFORMATION TECHNOLOGIES                            *2013 - 2019*

- **Advisors:** Noah A. Smith, Chris Dyer
- **University of Washington**, Seattle, WA — *Visiting PhD student Fall 2015 - Summer 2019*
- **Thesis:** Syntactic Inductive Biases in NLP

**Columbia University**                                                 *City of New York, NY, USA*

MASTERS IN COMPUTER SCIENCE                                             *2011 - 2012*

- **Advisors:** Owen Rambow, Michael Collins
- **Specialization:** Natural Language Processing

**National Institute of Technology**                                    *Calicut, Kerala, India*

BACHELORS OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING             *2006 - 2010*

## Awards and Grants

| Year | Award | Organization |
|------|-------|--------------|
| 2024 | **Outstanding Paper Award**, OATH-Frames: Characterizing Online Attitudes Towards Homelessness with LLM Assistants | *EMNLP* |
| 2024 | **Simons Institute Research Fellowship**, Special Program on LLMs and Transformers, Spring 2025 | *UC Berkeley* |
| 2024 | **NSF CISE Core Medium**, RII: Hard Data to the Model | *NSF* |
| 2024 | **Zumberge Fellowship**, DEI in Research | *USC OORI* |
| 2023 | **Intel Rising Stars Award**, LLM Inference for Scaling Data Creation | *Intel Labs* |
| 2022 | **AI2 Young Investigators Award**, Synthesizing Data Towards Commonsense and Causal Reasoning | *Allen Institute for AI* |
| 2022 | **Gabilan Assistant Professor Fellowship**, | *USC WISE* |
| 2022 | **Outstanding Paper Award**, Understanding Dataset Difficulty with V-Usable Information | *ICML* |
| 2021 | **Outstanding Paper Award**, MAUVE: Measuring the Gap Between Neural Text and Human Text using Divergence Frontiers | *NeurIPS* |
| 2020 | **Best Paper: Honorable Mention**, Don't Stop Pretraining: Adapt Language Models to Domains and Tasks | *ACL* |
| 2019 | **Rising Star in EECS**, UIUC | |
| 2014 | **Best Student Presentation**, Diversity in Dependency Parsing | *CMU LTI Student Research Symposium* |
| 2009 | **Sun Campus Ambassador Scholarship**, Bangalore, India | *Sun Microsystems* |
| 2003 | **National Talent Search Scholarship**, Rourkela, India | *NCERT, India* |

# Publications

## Conference Papers

Compare without Despair: Reliable Preference Evaluation with Generation Separability    *EMNLP 2024*
- S. Ghosh, T. Srinivasan, **S. Swayamdipta**,

Out-of-Distribution Detection through Soft Clustering with Non-Negative Kernel Regression    *EMNLP 2024*
- A. Gulati, X. Dong, C. Hurtado, S. Shekkizhar, **S. Swayamdipta**, A. Ortega

OATH-Frames: Characterizing Online Attitudes towards Homelessness via LLM Assistants    *EMNLP 2024*
- J. Ranjit, B. Joshi, R. Dorn, L. Petry, O. Koumoundouros, J. Bottarini, P. Liu, E. Rice, and **S. Swayamdipta**
- **Outstanding Paper Award @ EMNLP 2024 & Best Poster @ ShowCAIS 2024**

Logits of API-Protected LLMs Leak Proprietary Information    *COLM 2024*
- M. Finlayson, X. Ren, **S. Swayamdipta**,

Crowd-Calibrator: Can Annotator Disagreement Inform Calibration in Subjective Tasks?    *COLM 2024*
- U. Khurana, E. Nalisnick, A. Fokkens, **S. Swayamdipta**,

Annotating FrameNet via Structure-Conditioned Language Generation    *ACL 2024*
- X. Cui, and **S. Swayamdipta**

Closing the Curious Case of Neural Text Degeneration    *ICLR 2024*
- M. Finlayson, J. Hewitt, A. Koller, **S. Swayamdipta**, A. Sabharwal

Does Video Summarization Require Videos? Quantifying the Effectiveness of Language in Video Summarization    *ICASSP 2024*
- Y. Nam, A. Lehavi, D. Yang, D. Bose, **S. Swayamdipta**, and S. Narayanan

NeuroComparatives: Neuro-Symbolic Distillation of Comparative Knowledge    *NAACL-Findings 2024*
- P. Howard, J. Wang, V. Lal, G. Singer, Y. Choi, and **S. Swayamdipta**

Generative Explanations for Program Synthesizers    *ICSE + VL/HCC 2024*
- A. Nazari, S. Chattopadhyay, **S. Swayamdipta**, M. Raghothaman

We're Afraid Language Models Aren't Modeling Ambiguity    *EMNLP 2023*
- A. Liu, Z. Wu, J. Michael, A. Suhr, P. West, A. Koller, **S. Swayamdipta**, N. A. Smith, and Y. Choi

MAUVE Scores for Generative Models: Theory and Practice    *JMLR 2023*
- K. Pillutla, L. Liu, J. Thickstun, S. Welleck, **S. Swayamdipta**, R. Zellers, S. Oh, Y. Choi, and Z. Harchaoui

I2D2: Inductive Knowledge Distillation with NeuroLogic and Self-Imitation    *ACL 2023*
- C. Bhagavatula, J. D. Hwang, D. Downey, R. Le Bras, X. Lu, K. Sakaguchi, **S. Swayamdipta**, P. West, and Y. Choi

REV: Information-Theoretic Evaluation of Free-Text Rationales    *ACL 2023*
- H. Chen, F. Brahman, X. Ren, Y. Ji, Y. Choi, and **S. Swayamdipta**

COBRA Frames: Contextual Reasoning about Effects and Harms of Offensive Statements    *ACL-Findings 2023*
- X. Zhou, H. Zhu, A. Yerukola, T. Davidson, J. D. Hwang, **S. Swayamdipta**, and M. Sap

Investigating the Benefits of Free-Form Rationales    *EMNLP-Findings 2022*
- J. Sun, **S. Swayamdipta**, J. May, and X. Ma

NeuroCounterfactuals: Beyond Minimal-Edit Counterfactuals for Richer Data Augmentation    *EMNLP-Findings 2022*
- P. Howard, G. Singer, V. Lal, Y. Choi, and **S. Swayamdipta**

WaNLI: Worker and AI Collaboration for Natural Language Inference Dataset Creation    *EMNLP-Findings 2022*
- A. Liu, **S. Swayamdipta**, N. A. Smith, and Y. Choi

Reframing Human-AI Collaboration for Generating Free-Text Explanations    *NAACL 2022*
- S. Wiegreffe, J. Hessel, **S. Swayamdipta**, M. Riedl, and Y. Choi

Annotators with Attitudes: How Annotator Beliefs And Identities Bias Toxic Language Detection    *NAACL 2022*
- M. Sap, **S. Swayamdipta**, L. Vianna, X. Zhou, Y. Choi, and N. A. Smith

Understanding Dataset Difficulty with V-Usable Information    *ICML 2022*
- K. Ethayarajh, Y. Choi, and **S. Swayamdipta**
- **Outstanding Paper Award**

MAUVE: Measuring the Gap Between Neural Text and Human Text using Divergence Frontiers *NeurIPS 2021*
- K. Pillutla, **S. Swayamdipta**, R. Zellers, J. Thickstun, S. Wellecks, Y. Choi, and Z. Harchaoui
- **Outstanding Paper Award**

Contrastive Explanations for Model Interpretability *EMNLP 2021*
- A. Jacovi, **S. Swayamdipta**, S. Ravfogel, Y. Elazar, Y. Choi, and Y. Goldberg

On-the-Fly Controlled Text Generation with Experts and Anti-Experts *ACL 2021*
- A. Liu, M. Sap, X. Lu, **S. Swayamdipta**, C. Bhagavatula, N. A. Smith, and Y. Choi

Challenges in Automated Debiasing for Toxic Language Detection *EACL 2021*
- X. Zhou, M. Sap, **S. Swayamdipta**, N. A. Smith, and Y. Choi

Dataset Cartography: Mapping and Diagnosing Datasets with Training Dynamics *EMNLP 2020*
- **S. Swayamdipta**, R. Schwartz, N. Lourie, Y. Wang, H. Hajishirzi, N. A. Smith, Y. Choi

Generative Data Augmentation for Commonsense Reasoning *EMNLP-Findings 2020*
- Y. Yang, C. Malaviya, J. Fernandez, **S. Swayamdipta**, R. LeBras, J. Wang, C. Bhagavatula, Y. Choi, and D. Downey

Adversarial Filters of Dataset Biases *ICML 2020*
- R. LeBras, **S. Swayamdipta**, C. Bhagavatula, R. Zellers, M. E. Peters, A. Sabharwal, and Y. Choi

The Right Tool for the Job: Matching Model and Instance Complexities *ACL 2020*
- R. Schwartz, G. Stanovsky, **S. Swayamdipta**, J. Dodge, and N. A. Smith

Don't Stop Pretraining: Adapt Language Models to Domains and Tasks *ACL 2020*
- S, Gururangan, A. Marasović, **S. Swayamdipta**, K. Lo, I. Beltagy, D. Downey, and N. A. Smith
- **Best Paper Honorable Mention**

Syntactic Scaffolds for Semantic Structures *EMNLP 2018*
- **S. Swayamdipta**, S. Thomson, K. Lee, L. Zettlemoyer, C. Dyer, N. A. Smith.

Learning Joint Semantic Parsers from Disjoint Data *NAACL 2018*
- H. Peng, S. Thomson, **S. Swayamdipta**, N. A. Smith

Annotation Artifacts in Natural Language Inference Data *NAACL 2018*
- S. Gururangan*, **S. Swayamdipta***, O. Levy, R. Schwartz, S. Bowman, and N. A. Smith
- * equal contribution

Polyglot Semantic Role Labeling *ACL 2018*
- P. Mulcaire, **S. Swayamdipta**, and N. A. Smith

Multi-Mention Learning for Reading Comprehension with Neural Cascades *ICLR 2018*
- **S. Swayamdipta**, A. Parikh, T. Kwaitkowski

Greedy, Joint Syntactic and Semantic Parsing with Stack LSTMs *CoNLL 2016*
- **S. Swayamdipta**, M. Ballesteros, C. Dyer, N. A. Smith

A Dependency Parser for Tweets *EMNLP 2014*
- L. Kong, N. Schneider, **S. Swayamdipta**, A. Bhatia, C. Dyer, N. A. Smith

The Pursuit of Power and its Manifestation in Written Dialog *ICSC 2012*
- **S. Swayamdipta**, O. Rambow

## Workshop Papers

Sister Help: Data Augmentation for Frame-Semantic Role Labeling *LAW-DMR @ EMNLP 2021*
- A. Pancholy, **S. Swayamdipta**, M. R. L. Petruck

Multi-Task Learning for Incremental Parsing using Stack LSTMs *WiML @ NeurIPS 2016*
- **S. Swayamdipta**, M. Ballesteros, C. Dyer, N. A. Smith

CMU: Arc-Factored, Discriminative Semantic Dependency Parsing *SemEval 2014*
- S. Thomson, D. Bamman, J. Dodge, **S. Swayamdipta**, N. Schneider, C. Dyer, N. A. Smith

The CMU Machine Translation Systems *WMT 2014*
- A. Matthews, C. Dyer, A. Lavie, G. Hanneman, W. Ammar, A. Bhatia, **S. Swayamdipta**, E. Schlinger, Y. Tsvetkov

# Invited Talks

| | | |
|---|---|---|
| Nov 07, 2024 | **NYU NLP/Text-as-Data Talk Series**, Ensuring Safety and Accountability in LLMs, Pre- and Post-Training | *New York University* |
| Sep 23, 2024 | **Amazon AWS Bedrock AI Seminar**, Ensuring Safety and Accountability in LLMs, Pre- and Post-Training | *Amazon AWS, Virtual* |
| May 3, 2024 | **ISI AI Seminar**, Understanding LLMs through their Generative Behavior, Successes and Shortcomings | *USC ISI* |
| Mar 26, 2024 | **NSF-Open Source Generative AI Workshop**, Towards (Closed-Source) LLM Accountability via Logit Signatures | *Cornell Tech* |
| Mar 13, 2024 | **Utah Data Science Seminar**, Understanding LLMs through their Generative Behavior, Successes and Shortcomings | *University of Utah* |
| Feb 13, 2024 | **Intel Rising Stars Talk**, LLM Inference for Scaling Data Creation | *Intel Labs* |
| Feb 8, 2024 | **Cambridge LTL Seminar**, Understanding LLMs via their Generative Successes and Shortcomings | *University of Cambridge* |
| Dec 15, 2023 | **ATTRIB Workshop Keynote**, Understanding LLMs via their Generative Successes and Shortcomings | *NeurIPS 2023* |
| Nov 16, 2023 | **UCLA Communications Symposium**, Understanding Online Discourse through Social Context and Structured Pragmatics | *UCLA* |
| Oct 3, 2023 | **DataComp Workshop**, Understanding Data with $\mathcal{V}$-Information | *ICCV 2023* |
| Sep 22, 2023 | **LACoE CS Speaker Series**, The Role of Language Models in Natural Language Processing | *os Angeles County of Education* |
| Aug 24, 2023 | **CMU LTI Student Research Symposium**, Understanding Datasets and Explanations through $\mathcal{V}$-Information | *Alumni Keynote: CMU, Pittsburgh* |
| Jul 13, 2023 | **Rep4NLP Workshop**, Contextualizing Representations in Varied Annotator Perspectives | *ACL Toronto* |
| Jun 14, 2023 | **Google Responsible Machine Learning**, Contextualizing Data in Varied Annotator Perspectives | *Google Brain* |
| Mar 14, 2023 | **Cohere for AI Reading Group**, Understanding Dataset Difficulty with V-Usable Information | *Cohere for AI* |
| Feb 28, 2023 | **Spotify Research Seminar**, Designing Controls and Filters for Dataset Generation | *Spotify Research Labs* |
| Feb 03, 2023 | **Amazon Data-Centric AI Seminar**, What's in a Dataset? Interpreting datasets to enable better data creation | *Amazon* |
| Feb 01, 2023 | **USC CAIS++ Seminar**, Contextualizing Bias in Hate Speech Detection | *USC* |
| Nov 18, 2022 | **SoCal NLP Symposium**, Generating Datasets for Robust Generalization | *UC Santa Barbara* |
| Nov 09, 2022 | **USC Center for AI in Society (CAIS) Seminar**, Contextualizing Bias in Hate Speech Detection through Annotator Perspectives | *USC* |
| May 23, 2022 | **ACL Spotlight Talks for Young Rising Stars**, The Devil's in the Data: Mapping and Generating Datasets for Robust Generalization | *Dublin, Ireland* |
| May 13, 2022 | **UC Irvine CS Seminar**, Mapping and Generating Datasets for Robust Generalization | *UC Irvine* |
| Mar 16, 2022 | **UC Santa Cruz IFDS Ethics Seminar**, Rethinking Dataset Construction: : The Role of Generative Modeling and Annotator Perspectives | *UC Santa Cruz* |
| Oct 20, 2021 | **Oracle ML Talks**, What's in your Data? Mapping Datasets and Exploring Data Usability | *Oracle* |
| Feb 24, 2020 | **Georgetown NERT Seminar** , Addressing Biases for Robust, Generalizable AI | *Georgetown University* |
| Feb 12, 2020 | **Georgia Tech NLP Seminar**, Addressing Biases for Robust, Generalizable AI | *Georgia Tech* |
| Nov 02, 2020 | **Microsoft E+D Product Leads**, Responsible AI: Addressing Biases in Datasets and Models | *Microsoft* |
| Oct 30, 2019 | **Rising Stars in EECS**, Biases and Learning Challenges in Natural Language Processing | *UIUC* |
| Oct 18, 2019 | **UW Linguistics Colloquium**, Sprucing up a Dataset: Adversarially Filtering Dataset Artifacts | *UW Linguistics* |
| Apr 08, 2019 | **AI2 Seminar**, Learning Challenges in Natural Language Processing | *Allen Institute for AI* |
| Apr 04, 2019 | **Stanford NLP Seminar**, Learning Challenges in Natural Language Processing | *Stanford University* |
| Mar 13, 2019 | **JHU CLSP Seminar**, Learning Challenges in Natural Language Processing | *Johns Hopkins University* |
| Mar 11, 2019 | **NYU CILVR Seminar**, Learning Challenges in Natural Language Processing | *New York University* |
| Jan 22, 2019 | **MSR Seminar**, Learning Challenges in Natural Language Processing | *Microsoft Research, New York* |
| Sep 15, 2018 | **MSR AI Breakthroughs Workshop**, Representation Learning with Linguistic Structure | *Microsoft Research* |
| Apr 27, 2018 | **NorthWest NLP**, Syntactic Scaffolds for Semantic Structures | *Microsoft Research* |

# Mentorship

## POSTDOCS

| | |
|---|---|
| Fall 2024-Present | **Gregory Yauney**, PostDoc |

## PHD STUDENTS

| | | |
|---|---|---|
| Fall 2024-Present | **Xinyue Cui**, PhD | |
| Fall 2024-Present | **Muru Zhang**, PhD | *Co-Advisor: Robin Jia* |
| Fall 2024-Present | **Atharva Kulkarni**, PhD | |
| Spring 2024-Present | **Brihi Joshi**, PhD, passed Quals | *Co-Advisor: Xiang Ren* |
| Fall 2023-Present | **Matthew Finlayson**, PhD | *Co-Advisor: Xiang Ren* |
| Fall 2022-Present | **Sayan Ghosh**, PhD | |
| Fall 2022-Present | **Jaspreet Ranjit**, PhD, passed Quals | |

## MASTERS STUDENTS

| | |
|---|---|
| Spring 2024-Present | **Shahzaib Saqib Warraich**, Masters |
| Spring 2024-Present | **Shauryasikt Jena**, Masters |
| Spring 2024-Present | **Xingjian Dong**, Masters |

## UNDERGRADS

| | | |
|---|---|---|
| Spring 2024-Present | **Ryan Wang**, BS | *Co-Advisor: Robin Jia* |
| Spring 2024-Present | **Joseph Liu**, BS | |
| Spring 2024-Present | **Keyu He**, BS | |
| Fall 2023-Present | **Risha Surana**, BS | |
| Summer 2023-Present | **Aryan Gulati**, BS | *Co-Advisor: Antonio Ortega* |
| Summer 2023-Present | **Catherine He**, BS | |

## ALUMNI

| | | |
|---|---|---|
| Spring 2023-Spring 2024 | **Xinyue Cui**, Masters | *Now PhD@USC* |
| Fall 2023-Spring 2024 | **Jacky Mo**, BS | |
| Summer 2023-Fall 2023 | **Jayne Bottarini**, BS | |
| Summer 2023-Fall 2023 | **Kritin Dhoka**, BS | |
| Spring 2023-Spring 2024 | **Yoonsoo Nam**, Masters | *Now at RenderWolf* |
| Spring 2023-Summer 2023 | **Adam Lehavi**, BS | |
| Summer 2023 | **Ruyuan Zuo**, Masters | *Now at Google* |
| Spring 2022 | **Hanjie Chen / Junlin Wang / Abdallah Bashir**, PhD, UVA / Masters, UCI / Masters, Saarland Universit | *AI2 Intern* |
| Fall 2021 | **Jillian Fisher / Liwei Jiang**, PhD, UW | |
| Summer 2021 | **Kawin Ethayarajh**, PhD, Stanford University | *AI2 Intern* |
| Summer 2021 | **Sarah Wiegreffe**, PhD, George Institute of Technology | *AI2 Intern* |
| Summer 2021 | **Ximing Liu**, BS, UW CSE | *AI2 Intern* |
| Fall 2020-2023 | **Alisa Liu**, PhD, UW CSE | |
| Fall 2020 | **Alon Jacovi**, PhD, Bar Ilan University | *AI2 Intern* |
| Summer 2020-1 | **Jenny Liang**, BS, UW CSE | *AI2 Intern* |
| Summer 2020 | **Jize Cao**, BS, UW CSE | *AI2 Intern* |
| Spring 2020-2023 | **Xuhui Zhou**, CLMS, UW Linguistics | |
| Fall 2019 - Spring 2020 | **Yiben Yang**, PhD, Northwestern University | |
| Fall 2019 - Spring 2020 | **Chaitanya Malaviya**, PYI, Allen Institute for AI | |
| 2018 - 2019 | **Ron Fan / Karishma Mandyam**, MS, UW CSE / BS, UW CSE | |

# Invited Panels

| Oct 18, 2024 | **Alfred P. Sloan Foundation Science Seminar**, | *USC School of Cinematic Arts* |
| Jul 13, 2023 | **Limitations of Large Language Models**, Rep4NLP Workshop | *ACL Toronto* |
| Jun 29, 2023 | **Generative AI and Education**, Roundtable | *ASEE 2023* |
| Apr 5, 2023 | **AImaginings**, Polymathic Pizza | *USC Sidney Harmon Academy for Polymathic Studies* |
| Jul 14, 2022 | **Adversarial Data Augmentations**, DADC Workshop | *NAACL Seattle* |
| Jun 17, 2022 | **Role of LLMs**, Responsible AI Symposium | *AILA* |

# Professional Service

## EXTERNAL SERVICE

**Senior Area Chair**
- EMNLP 2024: Machine Learning in NLP
- ACL 2024: Sentence-level Semantics

**Area Chair**
- ICLR 2025
- COLM 2024
- ICLR 2024
- EMNLP 2023: Machine Learning for NLP
- ACL 2023: Interpretability
- EMNLP 2022: Language Models
- EMNLP 2021: Machine Learning for NLP
- NAACL 2021: Sentence-Level Semantics
- EACL 2021: Sentence-Level Semantics
- ACL 2020: Semantics (Long)

**Reviewer: Conferences**
- ACL (ARR)                                                    2015-2022
- NAACL                                                        2015-2022
- EMNLP                                                        2015-2022
- NeurIPS                                                      2018-2022
- ICML                                          2015, 2019, 2020, 2023
- EACL                                                              2017
- AAAI                                                         2017-2020
- CoNLL                                                 2017-2018, 2020

**Reviewer: Workshops**
- NAACL Student Research Workshop                                   2016
- Workshop for Women in Machine Learning (WiML) at NeurIPS          2016
- Machine Reading for Question Answering (MRQA) Workshop            2017

**Reviewer: Journals**
- Transactions of ACL                                    2020 - PRESENT
- Computational Linguistics                                 2019 - 2022
- Journal of AI Research                                            2019

**Co-organizer**
- EACL 2024: Workshop on Uncertainty in NLP                        2024
- NAACL 2022: Workshop on Deep Learning in Low Resource NLP (DeepLo)   2022
- EMNLP 2019: Workshop on Deep Learning in Low Resource NLP (DeepLo)   2019
- West Coast NLP Workshop                                          2018
- Women's Research Day                                             2017
- UW-NLP Retreat                                              2015-2016

**Mentorship at Conferences**
- EMNLP 2020, ACL 2020, EMNLP 2018

## INTERNAL SERVICE

**Univeristy of Southern California**                                    *Los Angeles, CA, USA*
- Diversity, Equity and Inclusion Committee                              2023-present
- Apple and IBM Fellowship Committee                                     2024
- Distinguished Lectures Committee                                       2023-2024
- Annual Faculty Review Committee                                        2023-2024
- Apple and IBM Fellowship Committee                                     2023
- PhD Fellowship Admissions Committee                                    2022-2023
- Viterbi Undergraduate Admission Scholarship                            2023-2024

**Allen Institute for AI**                                               *Seattle WA, USA*
- Diversity, Equity and Inclusion Committee                              2019-2022
- AllenAI Outstanding Engineer Scholarship Committee                     2019

**Paul G. Allen School of CSE, University of Washington**                *Seattle WA, USA*
- Faculty Recruiting Liaison                                             2019
- Graduate Student Advisory Council                                      2018
- Outreach: Highline Public High School                                  2017
- CS: Gradswomen                                                         2016-2019

# Teaching

## CLASSES

| Fall 2024 | **CSCI 544: Applied NLP**, Students: 260 | *USC* |
| Spring 2024 | **CSCI 499: Language Models in NLP**, Students: 28 | *USC* |
| Fall 2023 | **CSCI 499: Language Models in NLP**, Students: 30 | *USC* |
| Fall 2022 | **CSCI 699: Data-Centric NLP**, Students: 29 | *USC* |

## TUTORIALS

| 2022 | **OAMLS: Online Asian Machine Learning School** , Attendees: 350+ | *ACML* |
| 2019 | **Transfer Learning in Natural Language Processing**, Attendees: 350+ | *NAACL* |
| 2018 | **Frame Semantics across Languages: Towards a Multilingual FrameNet**, Attendees: 30+ | *CoLING* |

## TEACHING ASSISTANTSHIP

| Spring 2015 | **CMU 11-411/611: Natural Language Processing**, Instructors: Chris Dyer, Alan W Black, Shomir Wilson | *Head TA* |

## GUEST LECTURES

| Summer 2024 | **Introduction to (Large) Language Models,** Host: Darin Gray | *USC Viterbi K-12 Discover Engineering* |
| Spring 2024 | **Language Generation and Generative Evaluation**, Host: Xuezhe Ma | *USC CSCI 544: Advanced NLP* |
| Summer 2023 | **Introduction to NLP,** Host: Darin Gray | *USC Viterbi K-12 Discover Engineering* |
| Spring 2023 | **Contextualizing Bias**, Host: Maja Matarić | *USC CSCI 697: Seminar in CS Research* |
| Spring 2022 | **What's in a dataset?,** Host: Cyrus Shahabi | *USC CSCI 697: Seminar in CS Research* |
| Spring 2022 | **Data-Centric NLP**, Host: Dongyeop Kang | *UMinn. CSCI 8980: Intro / NLP Research* |
| Spring 2022 | **Annotating Ambiguous NLI**, Host: Dirk Hovy | *MilaNLP: Coding Aperitivo* |
| Spring 2021 | **Transfer Learning**, Host: Zaid Harachoui | *UW DATA 598: Statistical Deep Learning* |
| Fall 2020 | **Biases and Interpretability in NLP**, Host: Eunsol Choi | *UT-Austin CS 395T: Topics in NLP* |
| Winter 2019 | **Phrase-Structure Parsing**, Host: Noah A. Smith | *UW CSE 447/547M: NLP* |
| Spring 2018 | **Minimum Bayes Risk Decoding**, Host: Waleed Ammar | *UW CSE 599 D1: Advanced Topics in NLP* |
| Spring 2018 | **Dependency Parsing**, Host: Noah A. Smith | *UW CSEP 517: NLP* |
| Fall 2017 | **Unsupervised Learning**, Host: Noah A. Smith | *UW CSE 446: Machine Learning* |
| Fall 2014 | **Dependency Parsing with Chu-Liu-Edmonds**, Hosts: Chris Dyer, Alon Lavie, Bob Frederking | *CMU 11-271: Algorithms for NLP* |