

Gregory Yauney

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education

Cornell University Ph.D. Computer Science Advisor: David Mimno	Ithaca, NY August 2018–August 2024
Brown University Sc.B. Computer Science A.B. History of Art and Architecture	Providence, RI September 2012–May 2015

experience

Postdoctoral Scholar University of Southern California Advisor: Swabha Swayamdipta	September 2024–September 2025 Los Angeles, CA
Student Researcher Google Research, PAIR Team	September 2022–April 2023 Seattle, WA
Technical Associate MIT Media Lab	June 2016–June 2018 Cambridge, MA
Associate Software Engineer MathWorks	July 2015–June 2016 Natick, MA

preprints

How Reliable is Language Model Micro-Benchmarking?
Gregory Yauney, Shahzaib Saqib Warraich, and Swabha Swayamdipta
arXiv 2025

Sample, Align, Synthesize: Graph-Based Response Synthesis with ConGrs
Sayan Ghosh, Shahzaib Saqib Warraich, Dhruv Tarsadiya, **Gregory Yauney**, and Swabha Swayamdipta
arXiv 2025

peer-reviewed conference publications

Stronger Random Baselines for In-Context Learning
Gregory Yauney, David Mimno
COLM 2024

A Pretrainer’s Guide to Training Data:
Measuring the Effects of Data Age, Domain Coverage, Quality, & Toxicity
Shayne Longpre, **Gregory Yauney**, Emily Reif, Katherine Lee, Adam Roberts, Barret Zoph, Denny Zhou, Jason Wei, Kevin Robinson, David Mimno, Daphne Ippolito
Outstanding Paper Award
NAACL 2024

Data Similarity is Not Enough to Explain Language Model Performance
Gregory Yauney, Emily Reif, David Mimno
EMNLP 2023

Comparing Text Representations: A Theory-Driven Approach
Gregory Yauney, David Mimno
EMNLP 2021

Domain-Specific Lexical Grounding in Noisy Visual-Textual Documents

Gregory Yauney, Jack Hessel, David Mimno

EMNLP 2020

peer-reviewed journal articles

The Afterlives of Shakespeare and Company in Online Social Readership

Maria Antoniak*, David Mimno*, Rosamond Thalken*, Melanie Walsh*, Matthew Wilkens*, **Gregory Yauney***

Cultural Analytics and Modernism/modernity 2024

peer-reviewed workshop publications

Sample, Align, Synthesize: Graph-Based Response Synthesis with ConGrs

Sayan Ghosh, Shahzaib Saqib Warraich, Dhruv Tarsadiya, **Gregory Yauney**, Swabha Swayamdipta

Workshop on Efficient Reasoning at NeurIPS 2025

Workshop on Test-time Scaling and Reasoning Models at COLM 2025

Probing Heterogeneous Pretraining Datasets with Small Curated Datasets

Gregory Yauney, Emily Reif, David Mimno

Data-Centric Machine Learning Research Workshop at ICML 2023

Network Analysis Finds Shifts in the History of Modern Architecture

Gregory Yauney, David Mimno

Digital Humanities 2020

Combatting the Challenges of Local Privacy for Distributional Semantics with Compression

Alexandra Schofield, **Gregory Yauney**, David Mimno

Privacy in Machine Learning Workshop at NeurIPS 2019

Computational Prediction of Elapsed Narrative Time

Gregory Yauney, Ted Underwood, David Mimno

Workshop on Narrative Understanding at NAACL 2019

other peer-reviewed publications

Digital reconstruction of teeth using near-infrared light

Keith Angelino, **Gregory Yauney**, Aman Rana, David Edlund, Pratik Shah

IEEE Engineering in Medicine and Biology Society (EMBC), 2019

Computational histological staining and destaining of prostate core biopsy RGB images with GANs

Aman Rana, **Gregory Yauney**, Alarice Lowe, Pratik Shah

IEEE International Conference on Machine Learning and Applications (ICMLA), 2018

RL with action-derived rewards for chemotherapy and clinical trial dosing regimen selection

Gregory Yauney, Pratik Shah

Machine Learning for Healthcare, 2018

Technology-enabled examinations of cardiac rhythm, optic nerve, oral health, tympanic membrane, gait and coordination evaluated jointly with routine health screenings: an observational study at the 2015 Kumbh Mela in India

Pratik Shah*, **Gregory Yauney***, Otkrist Gupta, Vincent Patalano II, Mrinal Mohit, Rikin Merchant, S.V. Subramanian
BMJ Open, 2018

Clinical validation and assessment of a modular fluorescent imaging system and algorithm for rapid detection and quantification of dental plaque

Keith Angelino, Pratik Shah, David A. Edlund, Mrinal Mohit, **Gregory Yauney**

BMC Oral Health, 2017

Automated segmentation of gingival diseases from oral images

Aman Rana, **Gregory Yauney**, Lawrence C. Wong, Otkrist Gupta, Ali Muftu, Pratik Shah

IEEE Healthcare Innovations and Point of Care Technologies (HI-POCT), 2017

Convolutional neural network for combined classification of fluorescent biomarkers and expert annotations using white light images

Gregory Yauney, Keith Angelino, David Edlund, Pratik Shah

IEEE International Conference on Bioinformatics and Bioengineering (BIBE), 2017

Comparative grain topology

Trevor Keller, Barbara Cutler, Emanuel A. Lazar, **Gregory Yauney**, Daniel J Lewis

Acta Materialia, 2014

talks

A Pretrainer's Guide to Training Data, joint talk with Shayne Longpre

Microsoft Research India, September 2024

Salesforce AI Research, February 2024

Cohere for AI, January 2024

MosaicML, September 2023

University of Washington, August 2023

Allen Institute for Artificial Intelligence, August 2023

Received Textual Similarity via Network Distance, joint work with Matthew Wilkens and David Mimno

Conference talk at the Association for Computers and the Humanities, July 2021.

teaching

Graduate TA, Mathematical Foundations of ML, Cornell

Fall 2023

Graduate TA, Intro to ML, Cornell

Spring 2023

Graduate TA, Mathematical Foundations of ML, Cornell

outstanding TA award

Spring 2022

Graduate TA, Data Visualization, Cornell

Spring 2021

Graduate TA, Intro to Data Science, Cornell

Spring 2020

Graduate TA, Intro to Computer Graphics, Cornell

Fall 2018

TA, Artificial Intelligence, Brown

Fall 2014

TA, Computer Vision, Brown

Fall 2013

reviewing

Area Chair: EMNLP 2025; ACL 2025

Reviewer: ICLR 2026; NeurIPS 2025; AISTATS 2025, 2026; COLM 2024, 2025; ACL 2024; NAACL 2024; ICLR workshop proposals 2024; CHR 2024; DMLR @ ICML 2023, @ ICLR 2024, @ ICML 2024; DH 2022; ACH 2021