

Gregory Yaune

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education

Cornell University
Ph.D. Computer Science

Ithaca, NY
Fall 2018–now (ongoing)

Brown University
Sc.B. Computer Science
A.B. History of Art and Architecture

Providence, RI
Class of 2015

experience

Student Researcher
Google Research, PAIR Team

Fall 2022
Seattle, WA

Technical Associate
MIT Media Lab

June 2016–June 2018
Cambridge, MA

Associate Software Engineer
MathWorks

July 2015–June 2016
Natick, MA

publications

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

Domain-Specific Lexical Grounding in Noisy Visual-Textual Documents
Gregory Yaune, Jack Hessel, David Mimno
EMNLP 2020

Network Analysis Finds Shifts in the History of Modern Architecture
Gregory Yaune, David Mimno
Poster at Digital Humanities 2020

Combatting the Challenges of Local Privacy for Distributional Semantics with Compression
Alexandra Schofield, **Gregory Yaune**, David Mimno
Privacy in Machine Learning Workshop at NeurIPS 2019

Computational Prediction of Elapsed Narrative Time
Gregory Yaune, Ted Underwood, David Mimno
Workshop on Narrative Understanding at NAACL 2019

Digital reconstruction of teeth using near-infrared light
Keith Angelino, **Gregory Yaune**, 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 generative adversarial neural networks
Aman Rana, **Gregory Yaune**, Alarice Lowe, Pratik Shah
IEEE International Conference on Machine Learning and Applications (ICMLA), 2018

Reinforcement learning with action-derived rewards for chemotherapy and clinical trial dosing regimen selection
Gregory Yaune, 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 Yaune***, 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 Yaune**
BMC Oral Health, 2017

Automated segmentation of gingival diseases from oral images

Aman Rana, **Gregory Yaune**, 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 Yaune, 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 Yaune**, Daniel J Lewis
Acta Materialia, 2014

talks

Received Textual Similarity via Network Distance

Gregory Yaune, Matthew Wilkens, David Mimno
ACH 2021

teaching

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
TA, Data Structures, Rensselaer Polytechnic Institute		Spring & Fall 2011

reviewing

ACH 2021

DH 2022