

# Gregory Yauney

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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

**Technical Associate**  
MIT Media Lab

June 2016–June 2018  
Cambridge, MA

**Associate Software Engineer**  
MathWorks

July 2015–June 2016  
Natick, MA

## publications

Domain-Specific Lexical Grounding in Noisy Visual-Textual Documents

**Gregory Yauney**, Jack Hessel, David Mimno  
EMNLP 2020

Network Analysis Finds Shifts in the History of Modern Architecture

**Gregory Yauney**, David Mimno  
Poster at 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

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 generative adversarial neural networks

Aman Rana, **Gregory Yauney**, 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 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\***, Otrkist 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

teaching

Graduate TA, Data-Driven Web Applications, 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